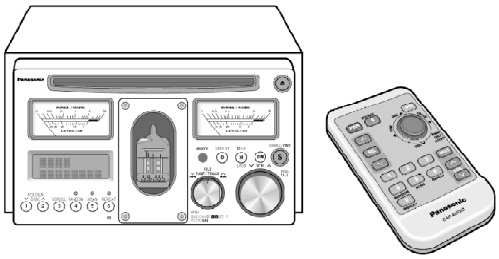
ORDER No.ACED020484C3

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CQ-TX5500W

AM/FM MP3 CD Receiver



SPECIFICATIONS

Specification*

General	
Power Supply	**DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground**
Current Consumption	**8.5A (nominal output in the CD mode)**
Power Output	**16W×4ch (1kHz, 1%, 4 Ω)**
Maximum Power Output	**45W×4ch**
Compatible Speaker Impedance	**4 Ω**
Audio input impedance	**10k Ω (AUX IN)**
Audio input sensitivity	**2Vrms (AUX IN)**
Pre-out output Voltage	**4.0Vrms (in the CD mode)**
Pre-out output impedance	**600 Ω**
FM tuner	
Frequency Range	**87.5 - 108.0MHz**
Usable Sensitivity	**12dBf (S/N 30dB)**
Signal to noise ratio	**70dB (mono)**
Stereo separation	**40dB**
Effective selectivity	**70dB (±400kHz)**
AM tuner	
Frequency Range	**531 - 1,602kHz**
Usable Sensitivity	**25dB/ μ V (S/N 20dB)**
Image interference ratio	**65dB**
CD Player	
Channel	**2**
Decoding	**16-bit linear**
Frequency response	**5Hz to 20kHz**
Signal to noise ratio	**93dB (IHF,A)**
Wow and Flutter	**Below measurable limits**
MP3 decoder	**MPEG-1 Audio Layer 3 / MPEG-2 Audio Layer 3 LSF**
Bit rate:	**MPEG-1 : 32 kbps-256 kbps, VBR MPEG-2 : 16 kbps-160 kbps, VBR**
Sampling frequency:	**MPEG-1 : 32 kHz, 44.1 kHz, 48 kHz MPEG-2 : 22.05 kHz, 24 kHz**
Dimensions**	**178(W)×100(H)×160(D)mm**
Weight**	**2.3kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

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law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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IMPORTANT SAFETY NOTICE

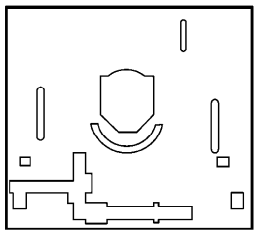
There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

2. FEATUERS

- This 2-DIN system is equipped with a CD player, FM/AM tuner, CD/ MD changer controller,V.Tube,Twin analog meter.
- 12-FM, 12-AM presets with preset scan.
- A CD-R and a CD-RW can be reproduced. (CD-DA data)
- A CD-ROM, a CD-R a CD-RW can be reproduced. / (MP3 data)
- Title display function / CD text (disc and track title, CD: supported "CD text") / MP3 (folder and fle name)

- High power amplifier 45W × 4 channels.

3. REPLACING THE FUSE

Use fuses of the same specified rating (10amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

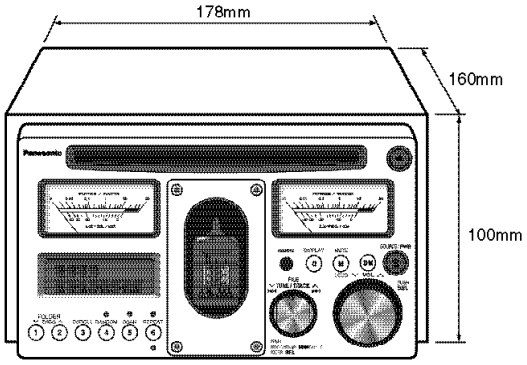
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

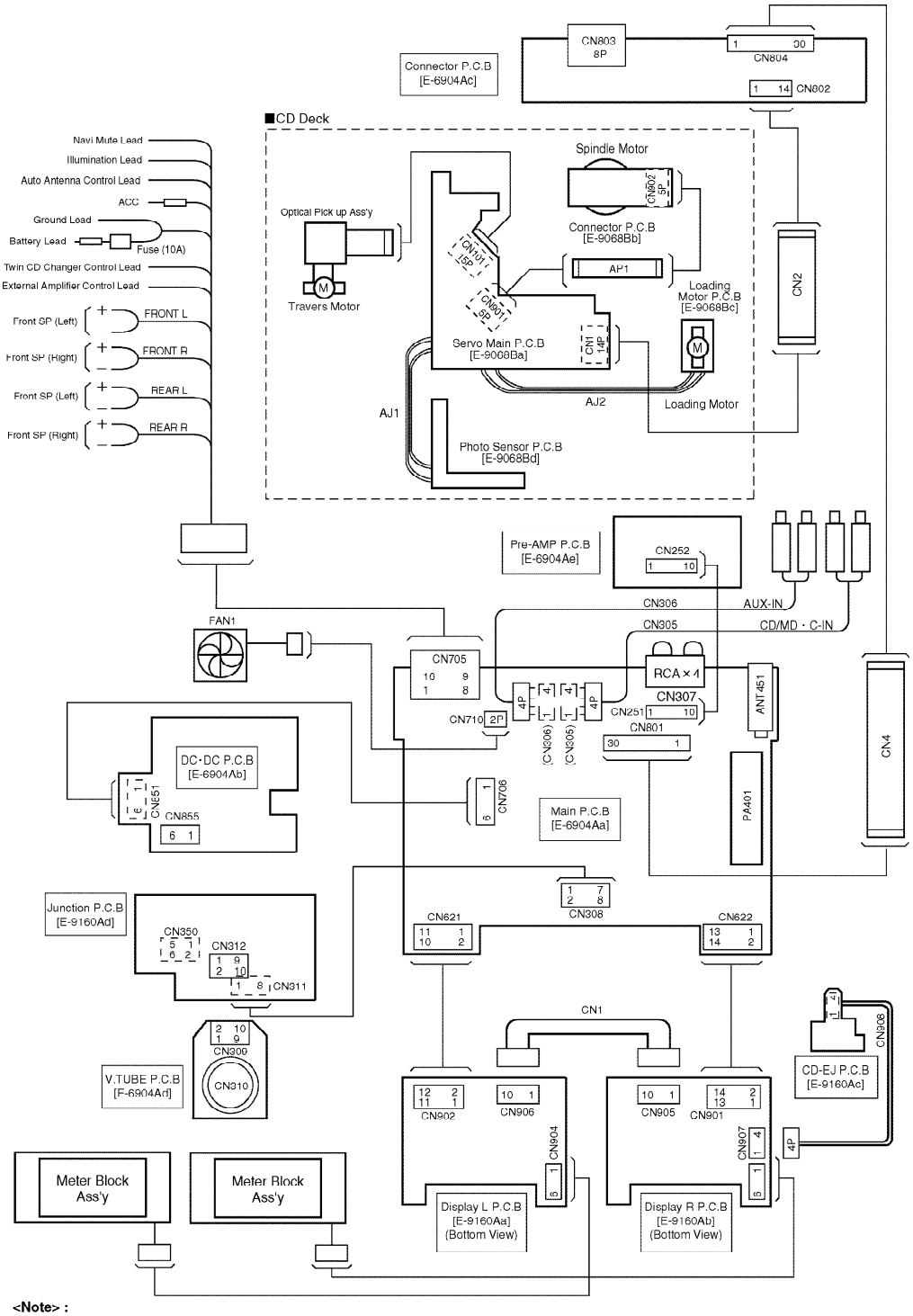
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

6. DIMENSIONS



7. WIRING CONNECTION



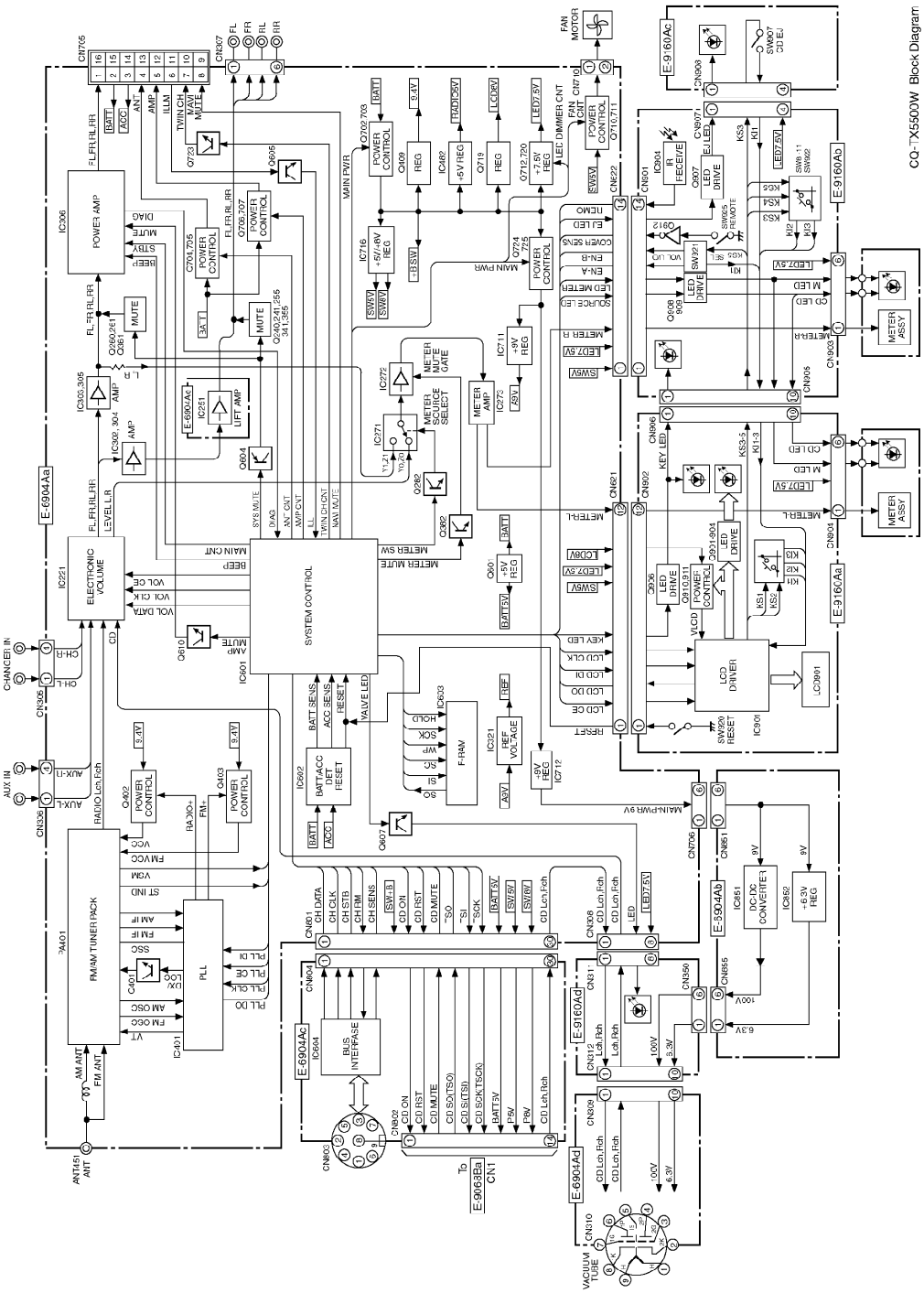
<Note> :

▭ .....This mark shows a Ref. No. of connector

▭ .....This mark shows a mounting position of connector.

8. BLOCK DIAGRAM

8.1. Main/Connector/DC DCV.TUBE/Pre-AMP/Display/CD-EJ/Junction


CQ-TX5500W Block Diagram
SYSTEM CONTROL
ELECTRONIC VOLUME
POWER AMP
FM/AM TUNER PACK
PLL
LCD DRIVER
IC901
IC601
IC221
IC306
IC401
IC411
IC851
IC852
IC902
IC903
IC272
IC271
IC711
IC712
IC716
IC721
IC281
IC282
IC305,306
IC302, 304
IC402
IC403
IC604
IC605
IC606
IC607
IC702,703
IC704,705
IC706,707
IC708,709
IC710,711
IC712,720
IC722,725
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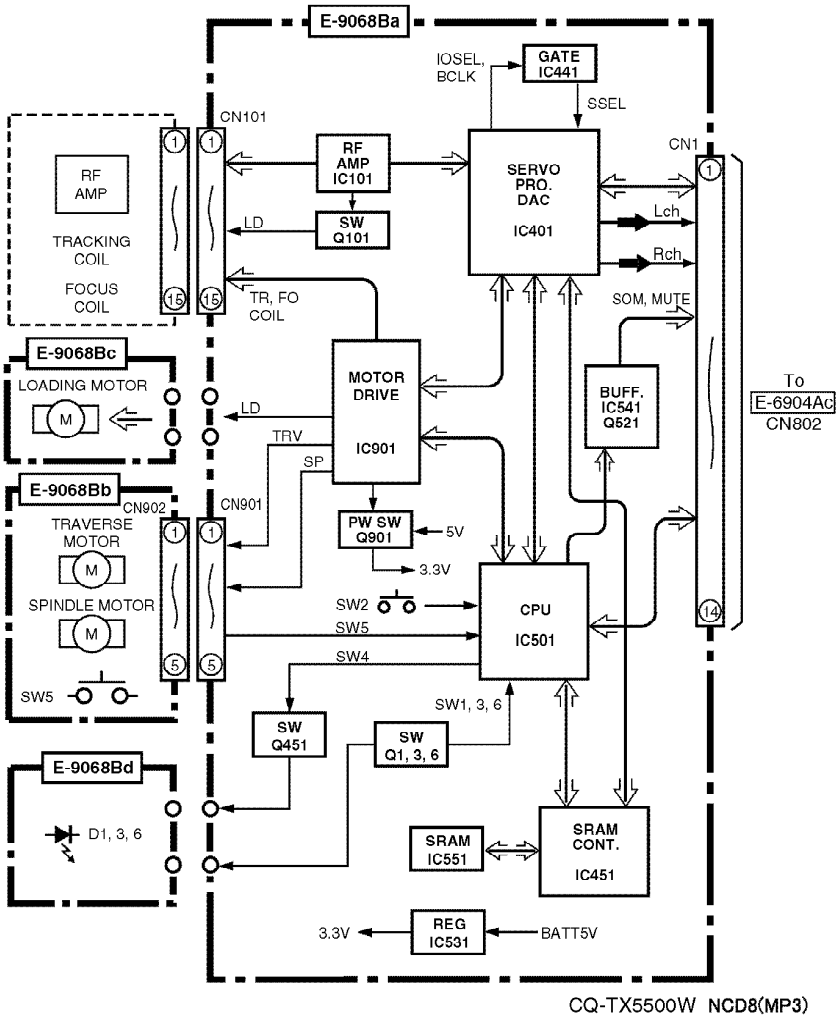
8.2. CD Deck



9. TERMINALS DESCRIPTION

9.1. Main Block

IC601 : C2DBKJ000103

Pin No.	Port	Description	Volt.(V)			
			I / O	FM	AM	CD
1	NC	-	-	-	-	-
2	NC	-	-	-	-	-
3	TSO	CD text BUS data input	I	0	0	3.2
4	TSI	CD text BUS data output	O	0.7	0.6	0
5	TSCK	CD text BUS clock output	O	5.1	5.1	5.1
6	EVDD	+5V power supply	-	5.2	5.2	5.2
7	EVSS	GND	-	0	0	0
8	CH1 REM	Changer remote -control signal	O	5.2	5.2	5.2
9	SYS PWR	System power control signal	I	5.2	5.2	5.1
10	REMO	Remote control signal	I	4.7	4.7	4.7
11	NC	-	-	-	-	-
12	LCD SO	LCD driver data input	I	5	5	5
13	LCD SI	LCD driver data output	O	0	0	0
14	LCD CLK	LCD driver BUS clock output	O	5.1	5.1	5.1
15	LCD CE	LCD driver BUS chip enable output	O	0	0	0
16	METER SW	Analog meter select switch signal	O	5.2	5.2	5.2
17	BEEP	Beep control signal	O	0	0	0
18	VPP	High voltage for program	-	0	0	0
19	EN A	VOL key-in detection signal A	O	0	5	0
20	EN B	VOL key-in detection signal B	O	0	5	0
21	VOL DATA	Electronic volume serial data output	O	5.2	5.2	5.2
22	VOL CLK	Electronic volume serial clock output	O	5.2	5.2	5.2

Pin No.	Port	Description	Volt.(V)			
			I / O	FM	AM	CD
23	VOL CE	Electronic volume chip enable output	O	0	0	0
24	NC	-	-	-	-	-
25	AMP MUTE	AMP power mute control signal	O	0	0	0
26	SYS MUTE	Audio mute control signal	O	5.2	5.2	5.2
27	AMP CNT	External AMP power control signal	O	5.2	5.2	5.2
28	MAIN CNT	Internal AMP power control signal	O	5.2	5.2	5.2
29	VALVE LED	Valve LED power control signal	O	5.2	5.2	5.2
30	FRAM CS	F-RAM chip select output	O	5.2	5.2	5.2
31	RESET	System reset Input	-	5.2	5.2	5.2
32	SUB X1	Connecting to GND.	I	0	0	0
33	NC	-	-	-	-	-
34	REGC	Capacitor connection for regulator	-	3.4	3.4	3.4
35	X2	Main system clock oscillator	-	1.5	1.5	1.5
36	X1	Main system clock oscillator	-	1.5	1.5	1.5
37	VSS	GND	-	0	0	0
38	VDD5V	+5V power supply	-	5	5	5
39	CLK OUT	Internal system clock output	-	0	0	0
40	FRAM DI	F-RAM data input	I	0	0	0.5
41	FRAM DO	F-RAM data output	O	0	0	0
42	FRAM CLK	F-RAM clock output	O	0	0	0
43	LED METER	LED meter control signal	O	5.2	5.2	5.2

Pin No.	Port	Description	Volt.(V)			
			I / O	FM	AM	CD
44	CD EJECT LED	CD EJ LED control signal	O	0	0	5.2
45	SOURCE LED	SOURCE LED control signal	O	5.2	5.2	5.2
46	KEY LED	KEY LED control signal	O	5.2	5.2	5.2
47	NC	-	-	-	-	-
48	NC	-	-	-	-	-
49	NAVI MUTE	Navi mute signal	I	5.2	5.2	5.2
50	ILL	Illumination power detect signal	I	5.2	5.2	5.2
51	METER MUTE	Analog meter mute signal	O	5.2	5.2	5.2
52	FRAM WP	F-RAM write protect signal	O	5.2	5.3	5.3
53	FRAM HOLD	F-RAM hold signal	O	0	0	0
54	NC	Connecting to GND.	-	0	0	0
55	BVDD	+5V power supply	-	5.2	5.2	5.2
56	BVSS	GND	-	0	0	0
57	NC	Connecting to GND.	I	0	0	0
58	NC	Connecting to GND.	I	0	0	0
59	NC	Connecting to GND.	I	0	0	0
60	MAIN PWR	Main power control signal	O	5.2	5.2	5.2
61	NC	-	-	-	-	-
62	TWIN CH CNT	Twin changer select control signal	O	5.2	5.2	5.2
63	TSTB	CD text strobe output	O	0.9	0	0
64	ANT CNT	Antenna control signal	O	5.2	5.2	0
65	PLL CE	PLL IC BUS chip enable output	O	0	0	0

Pin No.	Port	Description	Volt.(V)			
			I / O	FM	AM	CD
66	PLL DI	PLL IC BUS data output	O	0	0	0
67	PLL CLK	PLL IC BUS clock output	O	0	0	0
68	PLL DO	PLL IC BUS data input	I	5.1	5.1	5.1
69	DIV CNT	Diversity ANT select control signal	O	0	5.2	5.2
70	LED DIMMER CNT	LED Dimmer power control signal	O	0	0	0
71	AVDD	+5V power supply	-	5.3	5.3	5.3
72	AVSS	GND	-	0	0	0
73	AVREF	A/D converter reference voltage	-	5	5	5
74	VSM	Tuner signal strength detect signal	I	0.5	0.5	0
75	INITIAL1	Connecting to GND.	I	0	0	0
76	INITIAL2	Connecting to GND.	I	0	0	0
77	NC	Connecting to GND.	I	0	0	0
78	COVER_SENSE	Cover sense signal	I	5	5	4.9
79	NC	Connecting to GND.	I	0	0	0
80	NC	Connecting to GND.	I	0	0	0
81	NC	Connecting to GND.	I	0	0	0
82	NC	Connecting to GND.	I	0	0	0
83	DIAG	-	I	5.3	5.3	5.3
84	ST IND	FM stereo signal	I	0	1.9	0
85	CH1 SENS	Twin changer adaptor detect signal	I	4.9	4.9	4.9
86	FAN CNT	Fan motor control signal	O	0	0	5.2
87	CH1 STB	Changer BUS strobe input	I	0	0	0

Pin No.	Port	Description	Volt.(V)			
			I / O	FM	AM	CD
88	BATT SENS	Battery power supply detect signal	I	5.2	5.2	5.2
89	ACC SENS	Accessory power supply detect signal	I	5.2	5.2	5.2
90	PACK	CD text sync. Signal	I	0	0	0
91	CD SO	NCD8 status input	I	0	0	0
92	CD MUTE	NCD8 mute request input	I	5.2	5.2	0
93	CD RST	NCD8 CPU reset output	O	5.2	5.2	5.2
94	CD SI	NCD8 command output	O	0	0	0
95	CD SCK	NCD8 serial clock output	O	0	0	0
96	CD ON	NCD8 ON mode signal	O	5.1	5.1	5.1
97	CH1 DATA	CD/MD changer BUS data input	I	0	0	0
98	MDM ON	MD deck CPU control signal	O	0	0	0
99	CH1 CLK	CD/MD changer BUS clock input	I	0	0	0
100	NC	-	-	-	-	-

9.2. Display L Block

IC901 : C0HBA0000048

Pin No.	Port	Description	I/O	Volt.(V)
1-6	S1-S6	LCD Segment	O	2.9
7-19	S7-S19	LCD Segment	O	3
20-30	S20-S30	LCD Segment	O	2.9
31-60	S31-S60	LCD Segment	O	3
61	COM9(NC)	-	-	-
62-69	COM8-COM1	LCD Common	O	3
70-74	KS1-KS5	Key Data Output	O	5
75	KS6(NC)	-	-	-
76-78	KI1-KI3	Key Data Input	I	0
79	KI4	Connecting to GND	I	0
80	KI5	Connecting to GND	I	0
81	LANDOM LED	Landom LED input	I	0
82	SCAN LED	Scan LED input	I	0
83	REP LED	Repeat LED input	I	0
84	LPCNT	Not Used	I	4.9
85	VDD	+5V Power Supply	-	5
86	VLCD	Reference Voltage for LCD Driver	I	7.6
87	VLCD0	Not used	I	5.8
88	VLCD1	Not used	I	4.4
89	VLCD2	Not used	I	3
90	VLCD3	Not used	I	1.8
91	VLCD4	Reference Voltage for LCD Driver	I	0
92	VSS	Connecting to GND	-	0
93	TEST	Connecting to GND	-	0
94	OSC0	CR Oscillator	I	2.8
95	OSC1	CR Oscillator	I	2.5
96	INH	Inhibit Input	-	5
97	DO	LCD Data Output	O	5
98	CE	LCD Chip Enable Input	I	0
99	CLK	LCD Clock Input	I	5.1
100	DI	LCD Data Input	I	0

9.3. CD Deck Block

IC501 : MN101C28LAC2

Pin No.	Port	Description	I / O	Vol.(V)
1	VREF-	Connecting to GND.	-	0
2	PA0	Connecting to GND.	-	0
3	PA1	DISC IN photo-sensor signal	I	2.9
4	PA2	Mech feed-arm SW detect signal	I	3
5	PA3	DISC OUT photo-sensor signal	I	3
6	PA4	Mech clamp SW detect signal	I	0
7	PA5	Mech inner SW detect signal	I	3.3
8	PA6	DISC IN photo-sensor signal	I	1.5
9	PA7	Connecting to VDD(+ 3.3V).	-	3.3
10	VREF+	A/D converter reference voltage	-	3.3
11	VDD	+5V power supply	-	3.3
12	OSC2	CPU system clock (7.37MHz)	O	1.6
13	OSC1	CPU system clock (7.37MHz)	I	1.5
14	VSS	GND	-	0
15	XI	Connecting to GND.	-	0
16	XO(NC)	-	-	-
17	MMOD	Connecting to GND.	-	0
18	SOM	Serial BUS data output	O	0.5
19	SIM	Serial BUS data input	I	0.5
20	SCK	Serail BUS clock input	I	3
21	SB01/ P03(NC)	-	-	-
22	SUBC	CD text data input	I	0
23	SBCK	CD text clock output	O	3.3
24	P06(NC)	-	-	-
25	RESET	CPU reset input	I	3.3
26	MDATA	CPU command data output	O	1
27	MCLK	CPU command clock output	O	2.5
28	SCK	Serial BUS clock input	I	2.2
29	STAT	Servo LSI status signal	I	0

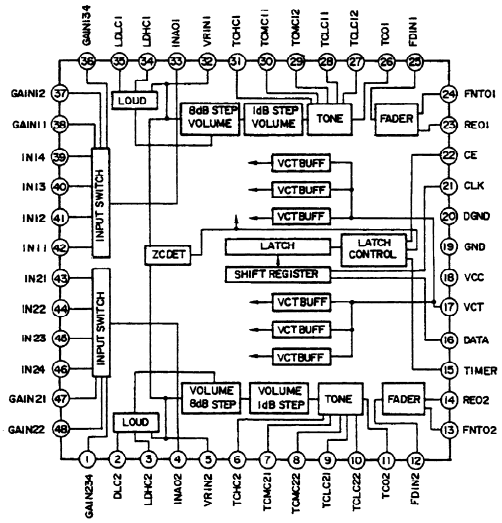
Pin No.	Port	Description	I / O	Vol.(V)
30	TM410/ P14(NC)	-	-	-
31	POBF	MP3 DSP data status signal	I	0
32	DATA REQ	MP3 DSP next data request signal	I	3
33	CD ON	CD ON mode signal	I	3.2
34	DQSY	CD text/sub code-Q sync. signal	I	0
35	BLK CK	BLK clock signal	I	3.3
36	SQCK	Sub code-Q clock input	I	1.5
37	SUBQ	Sub code-Q data input	I	0
38	SBT2/ P32	Connecting to GND.	O	0
39	MLD	CPU command load signal	O	3.3
40	ACK	MP3 DSP acknowledge signal	O	0
41	IO SEL	Servo LSI mode-setting signal	O	3.3
42	VDD2(NC)	-	-	-
43	VPP(NC)	-	-	-
44	DSP P0	MP3 DSP BUS data input /output	I/O	0
45	DSP P1	MP3 DSP BUS data input /output	I/O	0
46	DSP P2	MP3 DSP BUS data input /output	I/O	0
47	DSP P3	MP3 DSP BUS data input /output	I/O	0
48	DSP P4	MP3 DSP BUS data input /output	I/O	0
49	DSP P5	MP3 DSP BUS data input /output	I/O	0
50	DSP P6	MP3 DSP BUS data input /output	I/O	0
51	DSP P7	MP3 DSP BUS data input /output	I/O	0
52	PCS	MP3 DSP chip select signal	O	0
53	PWE	MP3 DSP write-in acknowledge signal	O	0
54	PRE	MP3 DSP read-out acknowledge signal	O	1.3

Pin No.	Port	Description	I / O	Vol.(V)
55	PIBE	MP3 data-input status signal	I	3.3
56	DSP RST	DSP reset signal	O	3.3
57	PRST	Servo LSI reset signal	O	2.2
58	STAT	Servo LSI status signal	I	0
59	DMUTE	Digital mute signal	O	0
60	TLOCK	Tracking lock signal	I	0
61	FLOCK	Focus lock signal	I	0
62	SENSE	Servo LSI sense signal	I	0
63	STOP	MP3 DSP stop signal	O	0
64	ERROR	MP3 DSP error signal	I	1.3
65	MUTE	Audio mute signal	O	2.5
66	TRV	Traverse motor control signal	I/O	1.6
67	PC1	Loading driver output-cut signal	O	0
68	PC2	Actuator drive output-cut signal	O	3.3
69	LOD	Loading motor control signal	I/O	1.6
70	P75(NC)	-	-	-
71	P76(NC)	-	-	-
72	GCTL	RF AMP gain control signal	O	1.3
73	P87(NC)	-	-	-
74	P86(NC)	-	-	-
75	P85(NC)	-	-	-
76	P84(NC)	-	-	-
77	P83(NC)	-	-	-
78	P82(NC)	-	-	-
79	PHOTO	Photo-sensor power control signal	O	0
80	P80(NC)	-	-	-

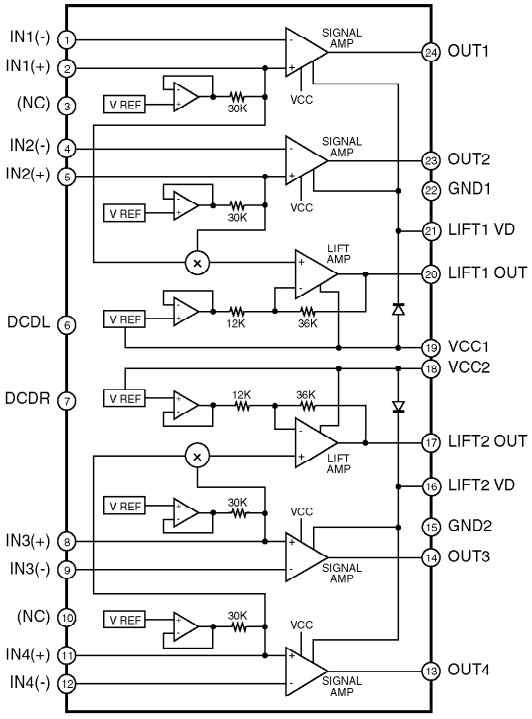
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

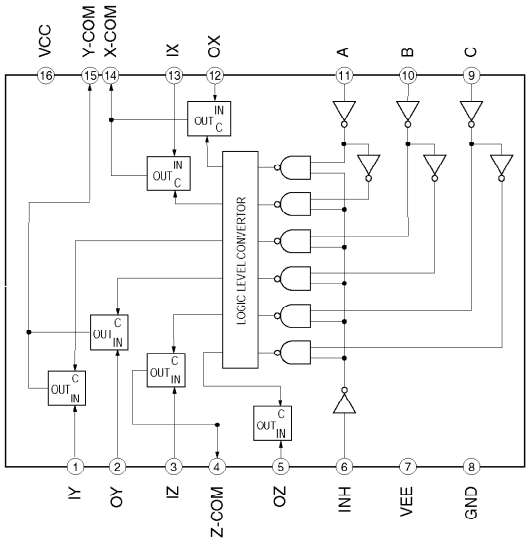
IC221 : C1BB00000245



IC251 : C1BB00000649

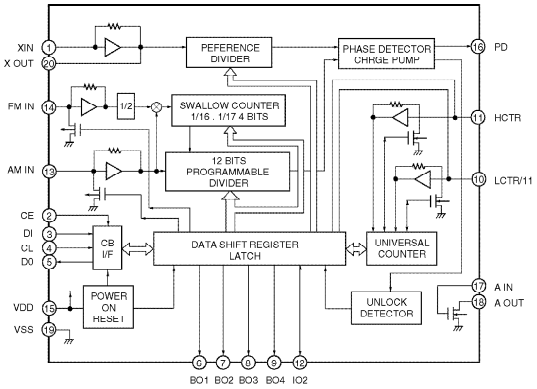


IC271 : YEAMPD4053E2

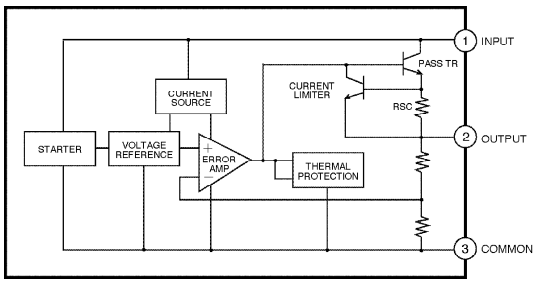


IC272 : C0ABBA000068

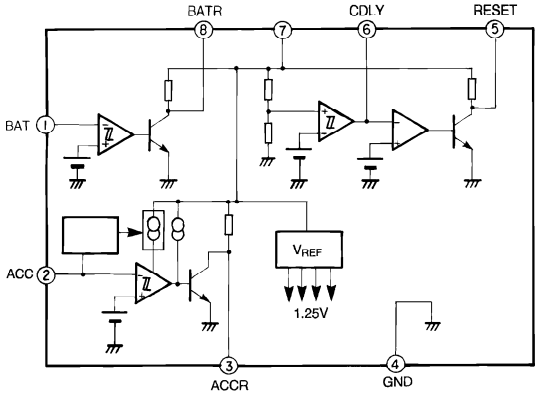
IC401 : YEAMLC72135C



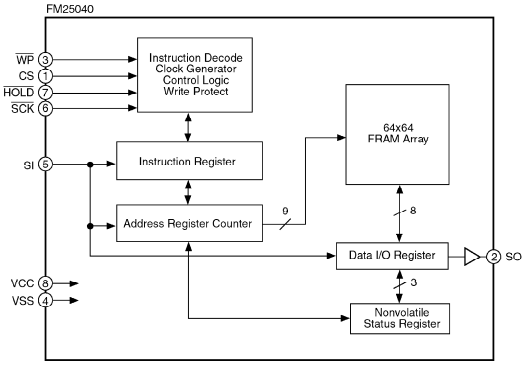
IC482 : YEAMC78L05E2



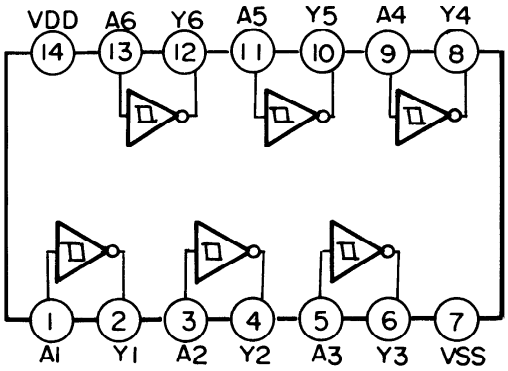
IC602 : AN8065SE1



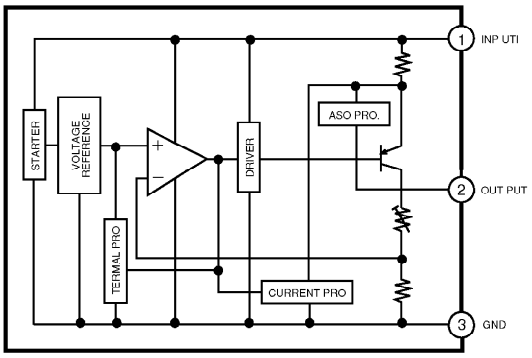
IC603 : C3GBBC000001



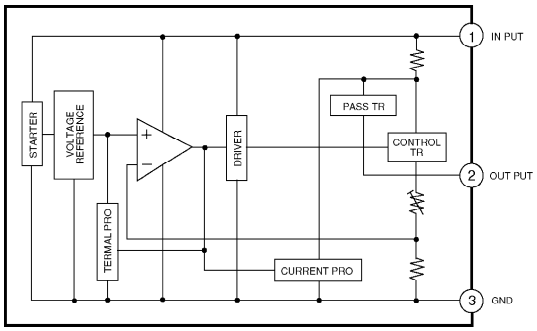
IC604 : CMN4584CST1



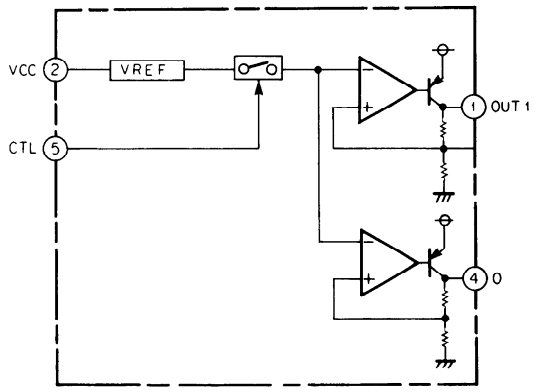
IC711 : C0CBAHE00001



IC712 : YEAMPC2409HF

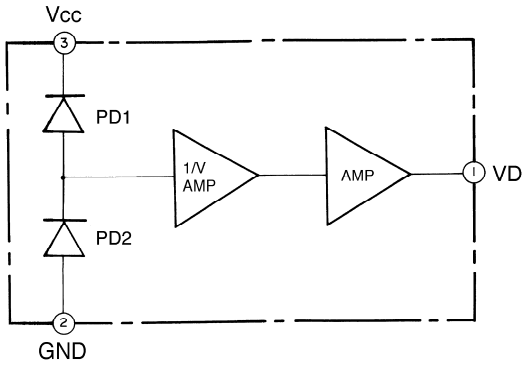


IC716 : YEAMA41W12ST



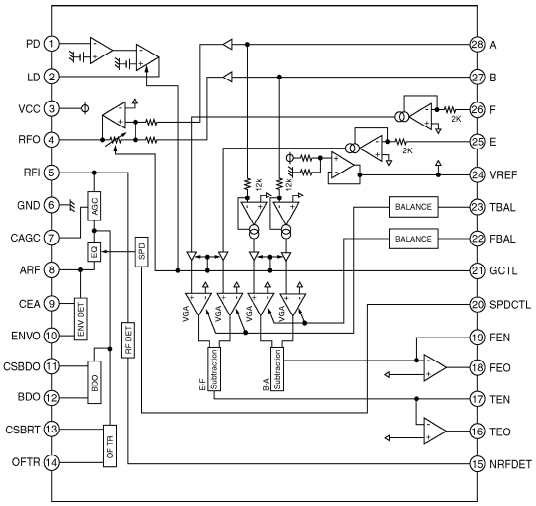
10.2. Display Block

IC904 : PNA4602M01MC

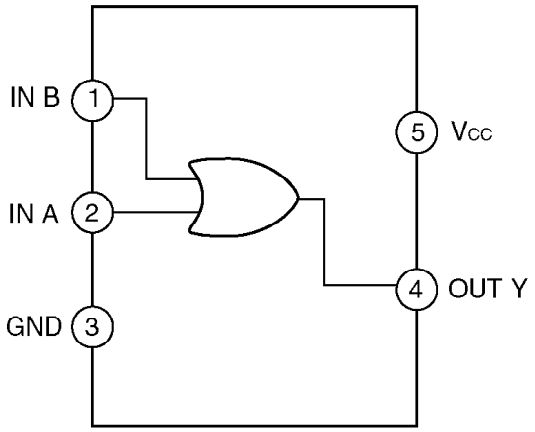


10.3. CD Deck Block

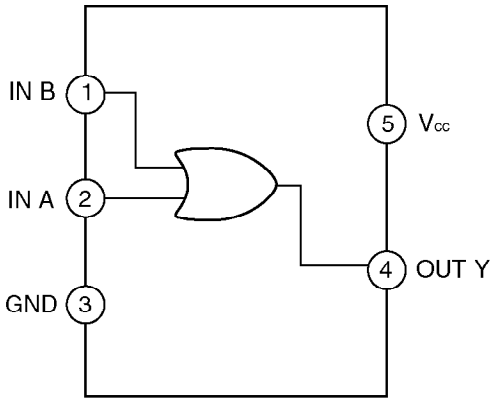
IC101 : C1BB00000624



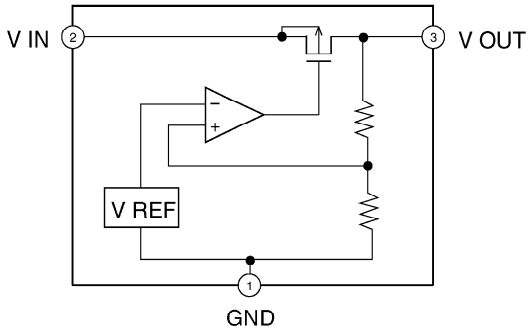
IC441 : C0JBAE000087



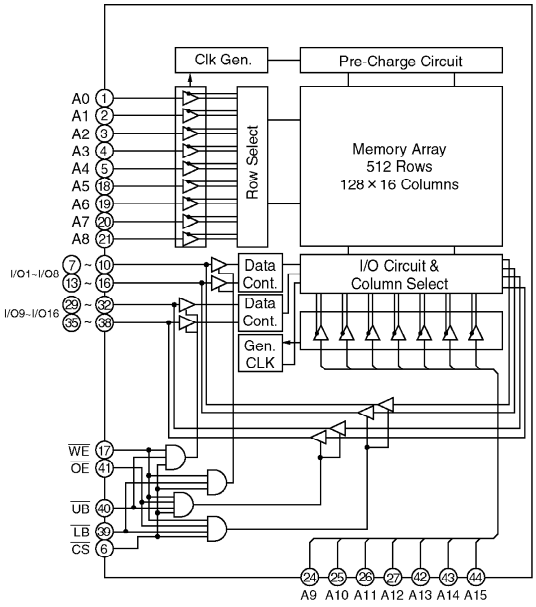
IC541 : YEAMT7ST32UL



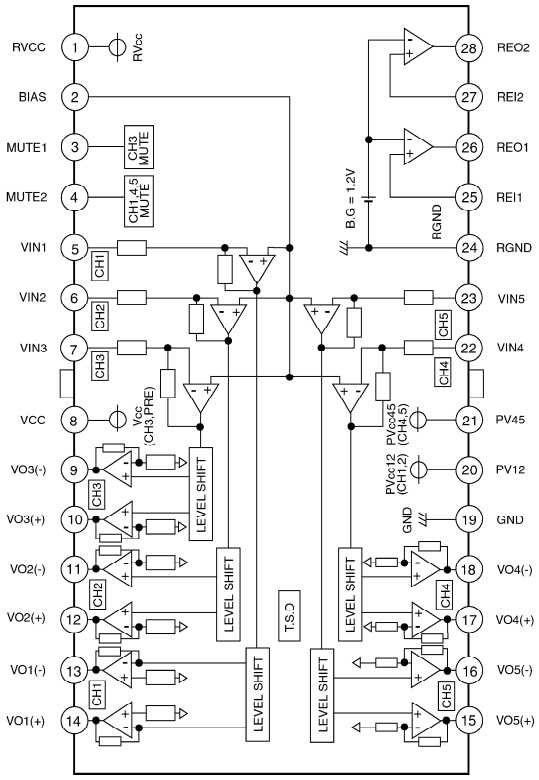
IC531 : YEAM7200U33T



IC551 : C3BBHG000053



IC901 : C0GBY0000012



11. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ ; mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E-6904A] Main Block			
ICs AND TRANSISTORs			
IC221	C1BB00000245	IC	
IC251	C1BB00000649	IC	
IC271	YEAMPD4053E2	IC	
IC272	C0ABBA000068	IC	
IC273	C0ABBA000022	IC	
IC302	YEAMPC4570T1	IC	
IC303	YEAMPC4570T1	IC	
IC304	YEAMPC4570T1	IC	
IC305	YEAMPC4570T1	IC	
IC306	C1EA00000028	IC	
IC321	C0ABBB000090	IC	
IC401	YEAMLC72135C	IC	
IC482	YEAMC78L05E2	IC	
IC601	C2DBKJ000103	IC	
IC602	AN8065SE1	IC	
IC603	C3GBBC000001	IC	
IC604	MN4584CST1	IC	
IC711	C0CBAHE00001	IC	
IC712	YEAMPC2409HF	IC	
IC716	YEAMA41W12ST	IC	
IC851	C0DBAZZ00055	IC	
IC852	YEAMNJM317F	IC	
PA401	YEP0PTA513B0	Electronic Tuner	
Q240	B1GDCFJJ0002	Transistor	
Q241	YEANC3661TA	Transistor	
Q255	YEANC3661TA	Transistor	
Q260	B1GDCFJJ0002	Transistor	
Q261	YEANFMG12T	Transistor	
Q282	B1GBCFNN0016	Transistor	
Q341	YEANC3661TA	Transistor	
Q355	YEANC3661TA	Transistor	
Q361	YEANFMG12T	Transistor	
Q382	B1GBCFNN0016	Transistor	
Q401	B1GBCFNN0016	Transistor	
Q402	YEANFP1F3PT1	Transistor	
Q403	YEANFP1F3PT1	Transistor	
Q409	B1BBCC000004	Transistor	
Q601	YEANC4480AN	Transistor	
Q604	B1GDCFLL0010	Transistor	
Q605	B1GBCFNN0016	Transistor	
Q607	B1GDJEGJ0002	Transistor	
Q610	B1GBCFNN0016	Transistor	
Q702	YEANA1647ZT	Transistor	
Q703	YEANFB1F3PT1	Transistor	
Q704	YEANHQ1F3PT1	Transistor	
Q705	B1GBCFGN0001	Transistor	
Q706	YEANHQ1F3PT1	Transistor	
Q707	B1GBCFGN0001	Transistor	
Q710	B1GBCFJJ0002	Transistor	
Q711	YEANFP1F3PT1	Transistor	
Q712	B1GBCFNN0004	Transistor	
Q719	2SD874ATX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q720	YEAN2SD1856	Transistor	
Q723	B1GBCFNN0016	Transistor	
Q724	YEANHQ1F3PT1	Transistor	
Q725	B1GBCFJJ0002	Transistor	
DIODEs			
D211	YEADSR1544TL	Diode	
D212	YEADSR1544TL	Diode	
D213	YEADSR1544TL	Diode	
D214	YEADSR1544TL	Diode	
D276	B0ADCJ000007	Diode	
D281	MA153TX	Diode	
D303	B0ADCJ000020	Diode	
D304	B0ADCJ000020	Diode	
D305	B0ADCJ000020	Diode	
D307	B0ADCJ000020	Diode	
D311	YEADSR1544TL	Diode	
D312	YEADSR1544TL	Diode	
D313	YEADSR1544TL	Diode	
D314	YEADSR1544TL	Diode	
D381	MA153TX	Diode	
D402	B0ADCJ000007	Diode	
D467	YEADRD91M2T1	Diode	
D468	YEADRD91M2T1	Diode	
D601	B0ADCJ000007	Diode	
D602	MA3J74100L	Diode	
D603	YEADRD56M3T1	Diode	
D606	YEADSS14VZ	Diode	
D610	B0ADCJ000007	Diode	
D702	B0ACCK000002	Diode	
D705	YEADSR1544TL	Diode	
D710	YEADSS24G2	Diode	
D721	YEADRD91M1T2	Diode	
D722	YEADRD75M2T1	Diode	
D723	MA153TX	Diode	
D750	MA153TX	Diode	
D751	YEADSR1544TL	Diode	
D801	YEADRD51M3T1	Diode	
D802	YEADAN202UTX	Diode	
D851	B0ADHJ000002	Diode	
D852	B0ADHJ000002	Diode	
D853	B0ADHJ000002	Diode	
D854	B0ADHJ000002	Diode	
D855	MA153TX	Diode	
D856	B0ADHJ000002	Diode	
CAPACITORs			
C201	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C202	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C203	YECUS1H470JC	Ceramic, 47PF 50WV	
C204	YECUS1H470JC	Ceramic, 47PF 50WV	
C205	YECUZ1H221JC	Ceramic, 220PF 50WV	
C207	YECUZ1H221JC	Ceramic, 220PF 50WV	
C210	F1J1H390A025	Ceramic, 39PF 50WV	
C211	F1J1H390A025	Ceramic, 39PF 50WV	
C212	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C213	F2J1HR220001	Electrolytic, 0.22 μ F 50WV	
C214	F2J1H6R80001	Electrolytic, 6.8 μ F 50WV	
C215	YECUS1H331JM	Ceramic, 330PF 50WV	
C216	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C218	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C219	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C220	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C222	ECPU1C474MA5	Plastic Film, 0.47 μ F 16WV	
C223	ECHU1H102JX5	Plastic Film, 0.001 μ F 50WV	
C224	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C225	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C226	ECA1HAD2R2XI	Electrolytic, 2.2 μ F 50WV	
C227	ECPU1C154MA5	Plastic Film, 0.15 μ F 16WV	
C228	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C229	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C230	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C232	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C233	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C234	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C237	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C239	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C246	YECUS1H221JC	Ceramic, 220PF 50WV	
C251	F2A1E4R70028	Electrolytic, 4.7 μ F 25WV	
C254	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C255	ECEA1CPK101I	Electrolytic, 100 μ F 16WV	
C257	YECUZ1H221JC	Ceramic, 220PF 50WV	
C258	F2A1E4R70028	Electrolytic, 4.7 μ F 25WV	
C259	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C261	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C262	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C263	ECA1HADR22XI	Electrolytic, 0.22 μ F 50WV	
C264	ECA1HADR22XI	Electrolytic, 0.22 μ F 50WV	
C265	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C267	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C268	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C269	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C270	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C271	ECEA1EKS3R3I	Electrolytic, 3.3 μ F 25WV	
C272	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C280	YECUV1C105KX	Ceramic, 1 μ F 16WV	
C281	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C282	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C301	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C302	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C303	YECUS1H470JC	Ceramic, 47PF 50WV	
C304	YECUS1H470JC	Ceramic, 47PF 50WV	
C305	YECUZ1H221JC	Ceramic, 220PF 50WV	
C306	F1J1H390A025	Ceramic, 39PF 50WV	
C307	YECUZ1H221JC	Ceramic, 220PF 50WV	
C308	F1J1H390A025	Ceramic, 39PF 50WV	
C313	F2J1HR220001	Electrolytic, 0.22 μ F 50WV	
C314	F2J1H6R80001	Electrolytic, 6.8 μ F 50WV	
C315	YECUS1H331JM	Ceramic, 330PF 50WV	
C316	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C317	F1K2E3330002	Ceramic, 0.033 μ F 250WV	
C319	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C320	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C322	ECPU1C474MA5	Plastic Film, 0.47 μ F 16WV	
C323	ECHU1H102JX5	Plastic Film, 0.001 μ F 50WV	
C324	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C325	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C327	ECPU1C154MA5	Plastic Film, 0.15 μ F 16WV	
C326	ECA1HAD2R2XI	Electrolytic, 2.2 μ F 50WV	
C328	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C329	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C330	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C332	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C333	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C347	YECUS1H221JC	Ceramic, 220PF 50WV	
C351	F2A1E4R70028	Electrolytic, 4.7 μ F 25WV	
C354	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C355	ECEA1CPK101I	Electrolytic, 100 μ F 16WV	
C356	F2A1E4R70028	Electrolytic, 4.7 μ F 25WV	
C357	YECUZ1H221JC	Ceramic, 220PF 50WV	
C358	F2A1C4700059	Electrolytic, 47 μ F 16WV	
C359	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C361	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C362	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C363	ECA1HADR22XI	Electrolytic, 0.22 μ F 50WV	
C364	ECA1HADR22XI	Electrolytic, 0.22 μ F 50WV	
C365	ECEA1AKA220I	Electrolytic, 22 μ F 10WV	
C366	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C367	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C368	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C370	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C371	ECEA1EKS3R3I	Electrolytic, 3.3 μ F 25WV	
C380	YECUV1C105KX	Ceramic, 1 μ F 16WV	
C401	YECUS1H222KX	Ceramic, 0.0022 μ F 50WV	
C402	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C403	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C404	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C405	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C406	F1J1H1530001	Ceramic, 0.015 μ F 50WV	
C407	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C408	YECUB1H223KX	Ceramic, 0.022 μ F 50WV	
C409	F1J1E563A042	Ceramic, 0.056 μ F 25WV	
C410	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C411	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C412	YECUS1H151JM	Ceramic, 150PF 50WV	
C413	YECUS1H471JM	Ceramic, 470PF 50WV	
C414	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C415	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C416	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C417	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C418	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C422	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C425	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C431	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C432	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C433	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C436	YECSV1VT475R	Tantalum, 4.7 μ F 35WV	
C437	YECUS1H150JC	Ceramic, 15PF 50WV	
C438	YECUS1H150JC	Ceramic, 15PF 50WV	
C439	YECUS1H101JM	Ceramic, 100PF 50WV	
C440	YECUS1H101JM	Ceramic, 100PF 50WV	
C441	YECUS1H101JM	Ceramic, 100PF 50WV	
C442	YECUS1H101JM	Ceramic, 100PF 50WV	
C443	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C459	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C460	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C461	ECEA1AKA101I	Electrolytic, 100 μ F 10WV	
C462	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C463	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C464	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C465	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C466	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C468	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C469	ECEA1AKA101I	Electrolytic, 100 μ F 10WV	
C471	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C481	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C500	F1H1H103A021	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C501	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C603	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C606	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C607	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C608	F1H1H103A021	Ceramic, 0.01 μ F 50WV	
C609	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C610	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C613	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C614	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C617	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C621	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C622	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C627	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C628	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C629	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C631	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C634	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C635	YECUZ1H150JC	Ceramic, 15PF 50WV	
C636	YECUZ1H150JC	Ceramic, 15PF 50WV	
C637	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C638	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C640	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C641	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C643	EEUFC1C471L	Electrolytic, 470 μ F 16WV	
C644	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C645	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C646	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C648	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C649	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C654	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C655	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C659	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C660	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C670	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C671	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C673	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C674	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C680	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C701	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C703	EEUPL1C332Z	Electrolytic, 3300 μ F 16WV	
C705	ECA1CHG102B	Electrolytic, 1000 μ F 16WV	
C707	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C708	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C709	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C710	ECA1CHG101I	Electrolytic, 100 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C711	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C712	EEUFC1A820	Electrolytic, 82 μ F 10WV	
C717	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C718	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C719	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C720	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C722	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C723	ECEA1CKA220I	Electrolytic, 22 μ F 16WV	
C724	ECEA1AKA220I	Electrolytic, 22 μ F 10WV	
C725	ECEA1CKA220I	Electrolytic, 22 μ F 16WV	
C726	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C727	ECA1CM471B	Electrolytic, 470 μ F 16WV	
C728	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C730	ECEA1CPU222L	Electrolytic, 2200 μ F 16WV	
C731	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C732	ECA1CM101I	Electrolytic, 100 μ F 16WV	
C733	ECSH1EC475CR	Tantalum, 4.7 μ F 25WV	
C739	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C746	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C747	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C748	ECSH1CX475CR	Tantalum, 4.7 μ F 16WV	
C763	EEUPL1C332Z	Electrolytic, 3300 μ F 16WV	
C765	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C766	ECA1CAD100XI	Electrolytic, 10 μ F 16WV	
C768	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C769	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C781	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C790	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C791	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C792	ECA1AHG331I	Electrolytic, 330 μ F 10WV	
C793	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C801	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C802	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C803	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C804	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C807	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C808	ECA1CM331B	Electrolytic, 330 μ F 16WV	
C815	ECA1CM471B	Electrolytic, 470 μ F 16WV	
C816	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C817	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C851	EEUFC1H390H	Electrolytic, 39 μ F 50WV	
C852	EEUFC1H390H	Electrolytic, 39 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C853	EEUFC1H390H	Electrolytic, 39 μ F 50WV	
C854	ECA2EHG100B	Electrolytic, 10 μ F 250WV	
C855	ECA2AM010I	Electrolytic, 1 μ F 100WV	
C856	ECA2AM010I	Electrolytic, 1 μ F 100WV	
C858	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C859	EEUFC1A181H	Electrolytic, 180 μ F 10WV	
C860	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C861	EEUFC1A181H	Electrolytic, 180 μ F 10WV	
C864	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C865	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C866	YECUS1H271JM	Ceramic, 270PF 50WV	
C867	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C868	ECA1HHG100I	Electrolytic, 10 μ F 50WV	
C869	EEFCD1B220R	Electrolytic, 22 μ F 12.5WV	
C873	ECA2CHG4R7I	Electrolytic, 4.7 μ F 160WV	
C874	ECA1CHG102B	Electrolytic, 1000 μ F 16WV	
C887	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C889	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C890	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C900	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
RESISTORs			
R200	D0YFR0000011	Resistor, 0 Ω 1/8W	
R201	D0GD564JA012	Metal Film, 560k Ω 1/10W	
R202	ERJ14YJ822H	Chip, 8.2k Ω 1/4W	
R203	D0GF470JA007	Metal Film, 47 Ω 1/10W	
R205	D0GD681JA012	Metal Film, 680 Ω 1/10W	
R206	D0GD681JA012	Metal Film, 680 Ω 1/10W	
R207	D0GB333JA006	Metal Film, 33k Ω 1/10W	
R210	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R211	D0GD183JA012	Metal Film, 18k Ω 1/10W	
R217	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R218	D0GD183JA012	Metal Film, 18k Ω 1/10W	
R220	D0YFR0000011	Resistor, 0 Ω 1/8W	
R221	D0GB123JA006	Metal Film, 12k Ω 1/10W	
R222	D0GB752JA006	Metal Film, 7.5k Ω 1/10W	
R223	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R224	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R226	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R227	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R228	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R229	D0GB912JA006	Metal Film, 9.1k Ω 1/10W	
R230	D0GB752JA006	Metal Film, 7.5k Ω 1/10W	
R231	D0GB223JA006	Metal Film, 22k Ω 1/10W	
R232	D0YBR0000011	Resistor, 0 Ω 1/8W	
R233	D0GB103JA006	Metal Film, 10k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R234	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R235	D0GB333JA006	Metal Film, 33k Ω 1/10W	
R242	D0GB222JA006	Metal Film, 2.2k Ω 1/10W	
R244	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R252	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R253	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R254	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R255	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R256	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R258	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R261	D0GB472JA006	Metal Film, 4.7k Ω 1/10W	
R262	D0GB472JA006	Metal Film, 4.7k Ω 1/10W	
R263	D0GD332JA012	Metal Film, 3.3k Ω 1/10W	
R264	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R265	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R266	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R271	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R272	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R273	D0GB682JA006	Metal Film, 6.8k Ω 1/10W	
R274	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R276	D0GD121JA012	Metal Film, 120 Ω 1/10W	
R277	D0YDR0000016	Resistor, 0 Ω 1/8W	
R279	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R280	D0GB225JA006	Metal Film, 2.2M Ω 1/10W	
R281	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R282	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R283	D0GB223JA006	Metal Film, 22k Ω 1/10W	
R284	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R285	D0GB154JA006	Metal Film, 150k Ω 1/10W	
R286	D0GB123JA006	Metal Film, 12k Ω 1/10W	
R301	D0GD564JA012	Metal Film, 560k Ω 1/10W	
R302	ERJ14YJ822H	Chip, 8.2k Ω 1/4W	
R303	D0GF470JA007	Metal Film, 47 Ω 1/10W	
R305	D0GD681JA012	Metal Film, 680 Ω 1/10W	
R306	D0GD681JA012	Metal Film, 680 Ω 1/10W	
R309	D0GB333JA006	Metal Film, 33k Ω 1/10W	
R312	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R318	D0GD183JA012	Metal Film, 18k Ω 1/10W	
R319	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R321	D0GB123JA006	Metal Film, 12k Ω 1/10W	
R322	D0GB752JA006	Metal Film, 7.5k Ω 1/10W	
R323	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R324	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R326	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R327	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R328	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R329	D0GB912JA006	Metal Film, 9.1k Ω 1/10W	
R330	D0GB752JA006	Metal Film, 7.5k Ω 1/10W	
R331	D0GB223JA006	Metal Film, 22k Ω 1/10W	
R333	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R334	D0GB103JA006	Metal Film, 10k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R335	D0GD183JA012	Metal Film, 18k Ω 1/10W	
R336	D0GB333JA006	Metal Film, 33k Ω 1/10W	
R342	D0GB222JA006	Metal Film, 2.2k Ω 1/10W	
R344	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R352	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R353	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R354	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R355	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R356	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R358	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R360	D0GB223JA006	Metal Film, 22k Ω 1/10W	
R361	D0GB472JA006	Metal Film, 4.7k Ω 1/10W	
R362	D0GB472JA006	Metal Film, 4.7k Ω 1/10W	
R363	D0GD332JA012	Metal Film, 3.3k Ω 1/10W	
R364	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R365	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R366	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R367	D0YBR0000011	Resistor, 0 Ω 1/8W	
R371	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R372	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R373	D0GB682JA006	Metal Film, 6.8k Ω 1/10W	
R374	D0GB562JA006	Metal Film, 5.6k Ω 1/10W	
R376	D0GB121JA006	Metal Film, 120 Ω 1/10W	
R377	D0YBR0000011	Resistor, 0 Ω 1/8W	
R379	D0GD821J0001	Metal Film, 820 Ω 1/10W	
R380	D0GB225JA006	Metal Film, 2.2M Ω 1/10W	
R381	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R382	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R383	D0GB223JA006	Metal Film, 22k Ω 1/10W	
R384	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R385	D0GB154JA006	Metal Film, 150k Ω 1/10W	
R386	D0GB123JA006	Metal Film, 12k Ω 1/10W	
R388	D0GD820JA012	Metal Film, 82 Ω 1/10W	
R391	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R402	D0GD392JA012	Metal Film, 3.9k Ω 1/10W	
R403	D0GD334JA012	Metal Film, 330k Ω 1/10W	
R404	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R405	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R406	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R407	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R408	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R410	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R411	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R412	D0GD563JA012	Metal Film, 56k Ω 1/10W	
R414	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R415	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R416	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R417	D0GD822J0001	Metal Film, 8.2k Ω 1/10W	
R418	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R419	D0YDR0000016	Resistor, 0 Ω 1/8W	
R420	D0YFR0000011	Resistor, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R421	D0YFR0000011	Resistor, 0 Ω 1/8W	
R425	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R431	D0GD472JA012	Metal Film, 4.7k Ω 1/10W	
R432	D0GD152J0001	Metal Film, 1.5k Ω 1/10W	
R433	D0GD152J0001	Metal Film, 1.5k Ω 1/10W	
R434	D0GD152J0001	Metal Film, 1.5k Ω 1/10W	
R435	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R436	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R437	D0YDR0000016	Resistor, 0 Ω 1/8W	
R438	D0GD472JA012	Metal Film, 4.7k Ω 1/10W	
R439	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R441	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R445	D0YDR0000016	Resistor, 0 Ω 1/8W	
R452	D0YFR0000011	Resistor, 0 Ω 1/8W	
R488	D0GD152J0001	Metal Film, 1.5k Ω 1/10W	
R490	D0YFR0000011	Resistor, 0 Ω 1/8W	
R491	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R493	D0YFR0000011	Resistor, 0 Ω 1/8W	
R494	ERJ14YJ471H	Chip, 470 Ω 1/4W	
R495	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R603	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R604	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R605	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R606	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R607	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R608	D0YDR0000016	Resistor, 0 Ω 1/10W	
R609	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R610	D0YBR0000011	Resistor, 0 Ω 1/10W	
R616	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R617	D0GD472JA012	Metal Film, 4.7k Ω 1/10W	
R618	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R619	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R620	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R621	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R622	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R623	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R625	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R626	D0GB363JA006	Metal Film, 36k Ω 1/10W	
R627	D0GB273JA006	Metal Film, 27k Ω 1/10W	
R628	D0GB224JA006	Metal Film, 220k Ω 1/10W	
R630	D0YBR0000011	Resistor, 0 Ω 1/8W	
R631	D0GB821JA006	Metal Film, 820 Ω 1/10W	
R632	D0GB472JA006	Metal Film, 4.7k Ω 1/10W	
R633	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R634	ERJ14YJ100H	Chip, 10 Ω 1/4W	
R635	D0YFR0000011	Resistor 0 Ω 1/8W	
R638	D0GF222JA007	Metal Film, 2.2k Ω 1/10W	
R640	D0GD154JA012	Metal Film, 150k Ω 1/10W	
R641	D0YBR0000011	Resistor, 0 Ω 1/8W	
R642	D0YBR0000011	Resistor, 0 Ω 1/8W	
R643	D0GD101JA012	Metal Film, 100 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R644	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R645	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R649	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R650	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R651	D0YBR0000011	Resistor, 0 Ω 1/8W	
R654	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R658	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R660	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R661	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R663	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R664	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R669	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R671	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R673	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R674	D0GB563JA006	Metal Film, 56k Ω 1/10W	
R676	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R677	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R678	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R680	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R683	D0YDR0000016	Resistor, 0 Ω 1/8W	
R688	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R690	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R695	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R696	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R701	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R702	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R706	ERJ12YJ681H	Chip, 680 Ω 1/2W	
R707	ERJ12YJ681H	Chip, 680 Ω 1/2W	
R718	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R719	ERJ14Y0R00H	Chip, 0 Ω 1/4W	
R720	D0GD681JA012	Metal Film, 680 Ω 1/10W	
R721	ERJ14Y0R00H	Chip, 0 Ω 1/4W	
R722	D0GD122JA012	Metal Film, 1.2k Ω 1/10W	
R723	D0YFR0000011	Resistor, 0 Ω 1/8W	
R724	D0YFR0000011	Resistor, 0 Ω 1/8W	
R725	D0YFR0000011	Resistor, 0 Ω 1/8W	
R726	D0YFR0000011	Resistor, 0 Ω 1/8W	
R727	D0YFR0000011	Resistor, 0 Ω 1/8W	
R729	D0YFR0000011	Resistor, 0 Ω 1/8W	
R734	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R735	ERJ14YJ180H	Chip, 18 Ω 1/4W	
R796	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R801	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R802	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R803	ERJ14YJ821H	Chip, 820 Ω 1/4W	
R804	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R805	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R806	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R807	D0YDR0000016	Resistor, 0 Ω 1/8W	
R811	D0YDR0000016	Resistor, 0 Ω 1/8W	
R812	D0YDR0000016	Resistor, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R814	D0YDR0000016	Resistor, 0 Ω 1/8W	
R815	D0YDR0000016	Resistor, 0 Ω 1/8W	
R816	D0YDR0000016	Resistor, 0 Ω 1/8W	
R851	ERJ6ENF2203	Chip, 220k Ω 1/10W	
R852	ERJ6ENF2701	Chip, 2.7k Ω 1/10W	
R853	D0GD181JA012	Metal Film, 180 Ω 1/10W	
R854	D0GD121JA012	Metal Film, 120 Ω 1/10W	
R855	ERJ12RQJR22U	Chip, 0.22 Ω 1/2W	
R857	D0YDR0000016	Resistor, 0 Ω 1/10W	
R859	D0GD471JA012	Metal Film, 470 Ω 1/10W	
CONNECTORs			
CN251, 252	K1KA10A00073	Connector, 10P	
CN305	YEAE012835	Connector, 4P	
CN306	YEAE012836	Connector, 4P	
CN307	YEAE02176	Connector, 4P RCA	
CN308	YEAETKCF08XE	Connector, 8P	
CN309	K1KA10B00185	Connector, 10P	
CN310	K4ZZ09000011	V. Tube Socket	
CN621	K1KA12A00187	Connector, 12P	
CN622	K1KA14A00173	Connector, 14P	
CN705	YEAE012748	Connector, 16P	
CN706	K1KB06A00068	Connector, 6P	
CN710	YEAE5339802	Connector, 2P	
CN801	K1MN30A00004	Connector, 30P	
CN802	K1MN14B00028	Connector, 14P	
CN803	YEAE011634	Connector, 8P DIN	
CN804	K1MN30A00004	Connector, 30P	
CN851	K1MR06A00043	Connector, 6P	
CN855	YEAETKCF06RS	Connector, 6P	
CRYSTALs			
XL401	H0D720400003	Crystal OSC	
XL601	H0J167500004	Crystal OSC	
COILs			
L432	YELT03N100KT	Coil	
L451	G1C3R3J00003	Coil	
L500	YELT03N100KT	Coil	
L602	YELT03N101JT	Coil	
L604	YELT03N101JT	Coil	
L605	YELT03N101JT	Coil	
L606	YELT03N101JT	Coil	
L607	YELT03N101JT	Coil	
L801	YELT03N101JT	Coil	
L851	G1C221M00005	Coil	
L852	G1C221M00005	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L853	YELT03N221JT	Coil	
LAMP			
Z451	YEAL02010T	Neon Lamp	
VARIABLE RESISTORs			
VR278	EVNDXAA00B13	Variable Resistor	
RESISTOR NETWORKs			
RA402	EXBV8V102JV	Resistor Network	
RA612	EXBV8V101JV	Resistor Network	
RA626	EXBV8V102JV	Resistor Network	
RA640	EXBV8V104JV	Resistor Network	
RA643	EXBV8V101JV	Resistor Network	
RA657	EXBV8V473JV	Resistor Network	
RA665	EXBV8V102JV	Resistor Network	
RA680	EXBV8V102JV	Resistor Network	
RA691	EXBV8V102JV	Resistor Network	
THERMISTORs			
PH701	YERT7AR4R7MT	Thermistor	
PH801	YERT7AR4R7MT	Thermistor	
[E-9160A] Display L / Display R / CD-EJ /Junction Block			
ICs AND TRANSISTORs			
IC901	C0HBA0000048	IC	
IC904	PNA4602M01MC	IC	
Q901	B1GBCFGN0004	Transistor	
Q902	B1GBCFGN0004	Transistor	
Q903	B1GBCFGN0004	Transistor	
Q904	B1GBCFGN0004	Transistor	
Q906	B1GDJEGJ0002	Transistor	
Q907	B1GBCFGN0004	Transistor	
Q908	B1GDJEGJ0002	Transistor	
Q909	B1GDJEGJ0002	Transistor	
Q910	B1GDCFJJ0002	Transistor	
Q911	B1GBCFNN0004	Transistor	
Q912	B1GBCFNN0004	Transistor	
DIODEs			
D901	LNJ212R8ARA	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D902	LNJ212R8ARA	LED	
D903	LNJ212R8ARA	LED	
D904	B3AFB0000033	LED	
D906	LNJ412K82RA4	LED	
D907	LNJ412K82RA4	LED	
D908	LNJ412K82RA4	LED	
D909	LNJ412K82RA4	LED	
D910	LNJ412K82RA4	LED	
D911	LNJ412K82RA4	LED	
D912	B3ACB0000066	LED	
D913	B3ACB0000066	LED	
D914	B3ACB0000066	LED	
D915	B3ACB0000066	LED	
D916	B3ACB0000066	LED	
D917	B3ACB0000066	LED	
D918	B3ACB0000066	LED	
D919	B3ACB0000066	LED	
D920	LNJ412K82RA4	LED	
D921	LNJ412K82RA4	LED	
D922	LNJ412K82RA4	LED	
D923	LNJ412K82RA4	LED	
D924	LNJ412K82RA4	LED	
D933	B3AFB0000033	LED	
D953	MAZ80390LL	Diode	
D960	MA159TX	Diode	
D961	MA159TX	Diode	
D962	MA159TX	Diode	
D993	LNJ412K82RA4	LED	
DA901	B0ZBZ0000053	Diode	
DA902	B0ZBZ0000053	Diode	
DA903	B0ZBZ0000053	Diode	
CAPACITORs			
C899	ECA2CHG100	Electrolytic, 10 μ F 160WV	
C901	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C902	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C904	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C906	YECUZ1H221JC	Ceramic, 220PF 50WV	
C907	YECSV1CM225R	Tantalum, 2.2 μ F 16WV	
C908	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C909	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C910	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C911	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C912	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C914	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C915	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C952	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C953	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C954	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C955	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C956	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C960	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C961	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C962	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C963	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C964	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
RESISTORs			
R295	D0YBR0000011	Resistor, 0 Ω 1/8W	
R296	D0YBR0000011	Resistor, 0 Ω 1/8W	
R395	D0YBR0000011	Resistor, 0 Ω 1/8W	
R396	D0YBR0000011	Resistor, 0 Ω 1/8W	
R901	D0GD202JA012	Metal Film, 2k Ω 1/10W	
R902	D0GD202JA012	Metal Film, 2k Ω 1/10W	
R903	D0GD202JA012	Metal Film, 2k Ω 1/10W	
R904	D0GD271JA012	Metal Film, 270 Ω 1/10W	
R906	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R907	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R908	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R909	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R910	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R911	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R912	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R920	D0YDR0000016	Resistor, 0 Ω 1/8W	
R931	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R932	D0GB103JA006	Metal Film, 10k Ω 1/10W	
R933	D0GB101JA006	Metal Film, 100 Ω 1/10W	
R934	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R935	D0YDR0000016	Resistor, 0 Ω 1/8W	
R954	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R955	D0GB333JA006	Metal Film, 33k Ω 1/10W	
R969	D0GB332JA006	Metal Film, 3.3k Ω 1/10W	
R970	D0GB102JA006	Metal Film, 1k Ω 1/10W	
R971	D0GB473JA006	Metal Film, 47k Ω 1/10W	
R991	D0GF102JA007	Metal Film, 1k Ω 1/10W	
CONNECTORs			
CN311	YEAETKCF08RS	Connector, 8P	
CN312	K1KB10A00057	Connector, 10P	
CN350	YEAETKCF06XE	Connector, 6P	
CN901	K1KB14A00042	Connector, 14P	
CN902	YEAETKCF12XE	Connector, 12P	

Ref. No.	Part No.	Part Name & Description	Remarks
CN903	YEAE5339806	Connector, 6P	
CN904	YEAE5339806	Connector, 6P	
CN905, 906	K1KA10A00073	Connector, 10P	
CN907	YEAE5339804	Connector, 4P	
CN908	K1PZ04D00001	Connector, 4P	
SWITCHEs			
SW901	YEAS09312	Switch	
SW902	YEAS09312	Switch	
SW903	YEAS09312	Switch	
SW904	YEAS09312	Switch	
SW905	YEAS09312	Switch	
SW906	YEAS09312	Switch	
SW907	YEAS09312	Switch	
SW908	YEAS09312	Switch	
SW909	YEAS09312	Switch	
SW910	YEAS09312	Switch	
SW911	YEAS09312	Switch	
SW920	YEAS09312	Switch	
SW921	K9AA01800003	Switch	
SW922	K9ZZ00000960	Self return switch	
SW925	YEAS08041A	Switch	
LCD			
LCD901	L5AABGB00003	LCD Display	
RESISTOR NETWORKs			
RA901	EXBV8V102JV	Resistor Network	
RA902	EXBV8V103JV	Resistor Network	
RA903	EXBV8V102JV	Resistor Network	
[E-9068B] CD Servo Block			
ICs AND TRANSISTORs			
IC101	C1BB00000624	IC	
IC401	MN6627482WB	IC	
IC441	C0JBAE000087	IC	
IC451	MN1933222MF	IC	
IC501	MN101C28LAC2	IC	
IC531	YEAM7200U33T	IC	
IC541	YEAMT7ST32UL	IC	
IC551	C3BBHG000053	IC	
IC901	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q101	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
Q521	B1GBCFCJ0005	Transistor	
Q901	B1BDCD000002	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D501	MA152WKTX	Diode	
D521	MA3X152A0L	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C101	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C103	F3H0J1070005	Tantalum, 100 μ F 6.3WV	
C104	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C105	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C106	F1H1H821A190	Ceramic, 820PF 50WV	
C107	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C108	F1H1H682A190	Ceramic, 680PF 50WV	
C109	YECUZ1H272KX	Ceramic, 0.0027 μ F 50WV	
C110	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C111	F1H1H101A231	Ceramic, 100PF 50WV	
C112	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C113	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C114	YECUZ1H561KX	Ceramic, 560PF 50WV	
C115	F1H1H3910002	Ceramic, 380PF 50WV	
C116	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C117	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C118	YECUZ1H272KX	Ceramic, 0.0027 μ F 50WV	
C119	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C120	ECSH1AC226CR	Tantalum, 22 μ F 10WV	
C121	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C122	F1H1H101A231	Ceramic, 100PF 50WV	
C123	F1H1H101A231	Ceramic, 100PF 50WV	
C124	F1H1H101A231	Ceramic, 100PF 50WV	
C125	F1H1H101A231	Ceramic, 100PF 50WV	
C401	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C402	F1H1H100A226	Ceramic, 10PF 50WV	
C403	F1H1E123A011	Ceramic, 0.012 μ F 25WV	
C405	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C406	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C407	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C408	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C409	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C410	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C411	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C412	F1H1H101A231	Ceramic, 100PF 50WV	
C441	YECUZ1C104KX	Creamic, 0.1 μ F 16WV	
C451	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C452	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C453	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C454	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C455	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C456	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C457	F1H1C473A005	Ceramic, 0.047 μ F 16WV	
C458	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C460	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C501	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C502	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C503	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C521	F1H1H820A231	Ceramic, 82PF 50WV	
C522	F1H1H820A231	Ceramic, 82PF 50WV	
C523	F1H1H820A231	Ceramic, 82PF 50WV	
C524	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C531	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C532	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C541	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C551	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C552	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C553	ECSH1AC226CR	Tantalum, 22 μ F 10WV	
C901	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C902	F1J1C1050013	Ceramic, 1 μ F 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C904	ECEV1AA470P	Electrolytic, 47 μ F 10WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C906	ECEV0JA470SR	Electrolytic, 47 μ F 6.3WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C909	ECEV0GA470SR	Electrolytic, 47 μ F 4WV	
C910	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C912	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C913	ECEV1AA470P	Electrolytic, 47 μ F 10WV	
C914	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C915	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
L903	F1Z1E2220001	Ceramic, 0.0022 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORs			
R101	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R103	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R104	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R105	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R106	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R107	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R108	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R109	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R112	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R116	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R117	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R118	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R119	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R401	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R403	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R404	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R405	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R406	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R407	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R409	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R410	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R411	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R412	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R413	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R414	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R416	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R417	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R452	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R453	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R454	ERJ3GEYJ681V	Chip, 680 Ω 1/16W	
R455	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R456	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R457	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R458	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R459	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R460	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R461	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R467	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R471	ERJ8GEYJ181V	Chip, 180 Ω 1/8W	
R473	ERJ8GEYJ221V	Chip, 220 Ω 1/8W	
R501	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R511	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R512	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R513	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R514	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R515	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	

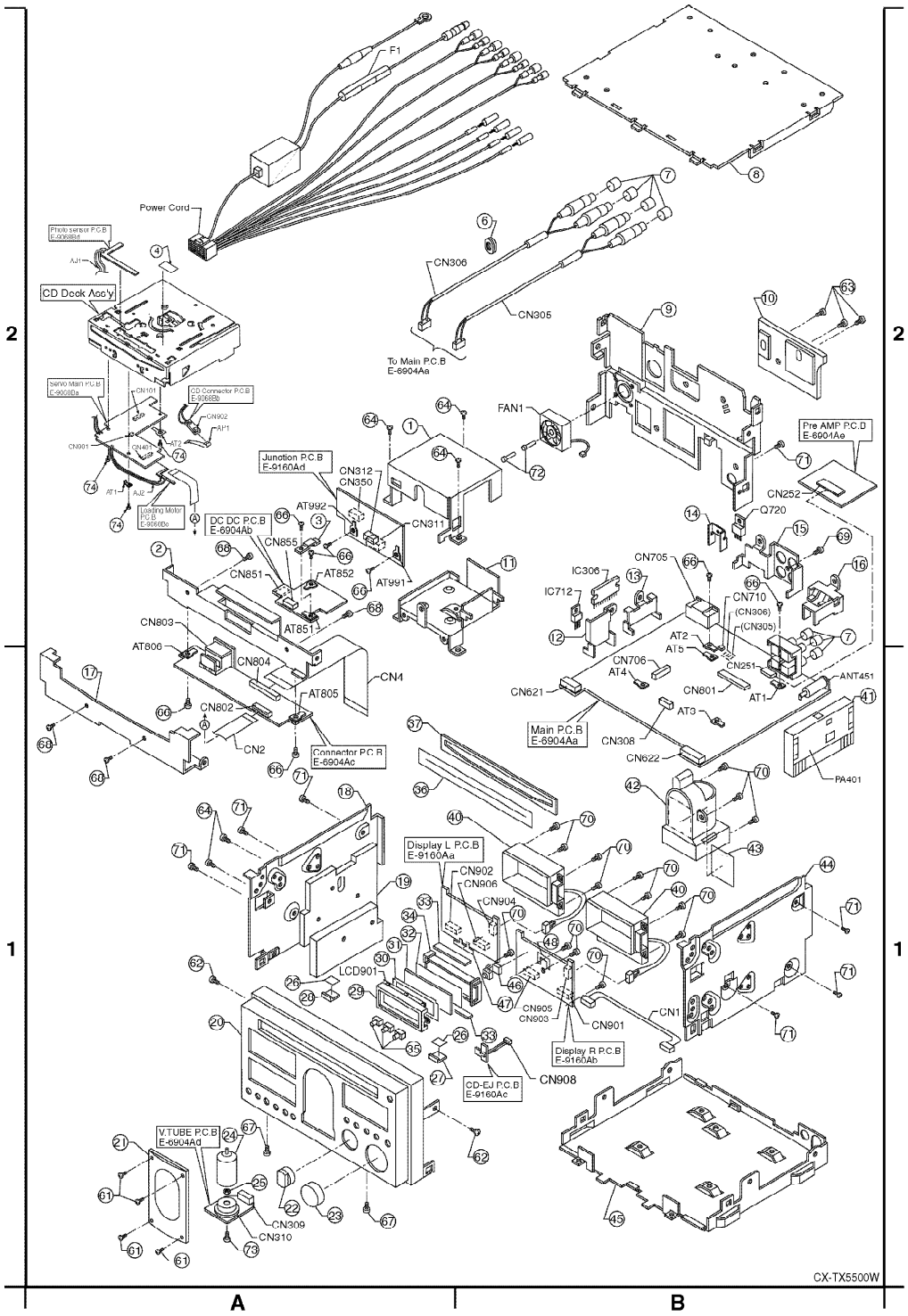
Ref. No.	Part No.	Part Name & Description	Remarks
R516	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R517	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R521	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R522	ERJ3GEYJ121V	Chip, 120 Ω 1/16WW	
R523	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R524	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R525	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R526	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R527	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R528	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R529	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R530	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R531	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R551	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R901	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R902	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R903	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R904	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R905	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R906	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R907	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R908	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R909	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R910	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R911	ERJ12YJ100H	Chip, 10 Ω 1/2W	
CONNECTORs			
CN1	K1MN14B00028	Connector, 14P	
CN101	YEAESFW15R1E	Connector, 15P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000022	Switch	
SW4	YEAS09275	Switch	
CRYSTAL			
XL501	YEXLSTCC737T	Crystal OSC	
CERAMIC FILTER			
XL201	H2D169500005	Ceramic Filter	
COILs			
L101	YELTLM41P750	Coil	
L401	YELTBLM1B601	Coil	
L402	YELTBLM1B601	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L501	EXCCET103U	RF Coil	
L901	YELTBLM21A10	Coil	
L902	YELTBLM21A10	Coil	
RESISTOR NETWORKs			
R462	D1H810140004	Resistor Network	
R463	D1H810140004	Resistor Network	
R464	D1H810140004	Resistor Network	
R465	D1H810140004	Resistor Network	
R466	D1H810140004	Resistor Network	
R472	D1H810140004	Resistor Network	
R474	D1H810140004	Resistor Network	
R476	D1H810140004	Resistor Network	
PRINTINGs			
	YEFM283913	Operating Instructions	
INSTALLATION PARTS			
	YEAJ02802A	Power Cord	
	CR2025/1F	Battery	
	YEP9BS1043	Screws	
	YEFX9992594	Remote Controller	
	YEFG02444	Front Brakect	
	YEFG02444	Front Brakect	
MISCELLANEOUS			
F1	XBB1F100NS5	Fuse, 10A	
CN1	K1PB06A00011	Connector, 6P	
CN2	K9ZZ00000854	Connector, 14P	
CN4	K9ZZ00000853	Connector, 30P	
AJ1	YEAJ071285	Cord	
AJ2	YEAJ071285	Cord	
AJ10	YEAJ09344	Cord	
ANT451	YEAA10066	Antenna Receptacle	
AP1	YEAP2711	Flexible P.C.B	
AT1	YEATSD00405	Terminal [E-9068B]	
AT2	YEATSD00405	Terminal [E-9068B]	
AT1	YEAT03435	Terminal [E-6904Aa]	
AT2	YEAT03435	Terminal [E-6904Aa]	
AT3	YEAT03435	Terminal	
AT4	YEAT03435	Terminal	
AT5	YEAT03435	Terminal	
AT805	YEAT03435	Terminal	
AT806	YEAT03435	Terminal	
AT851	YEAT03435	Terminal	
AT852	YEAT03435	Terminal	

Ref. No.	Part No.	Part Name & Description	Remarks
AT991	YEAT03435	Terminal	
AT992	YEAT03435	Terminal	
FAN1	L6FAGA9D0015	DC Motor	
1	YEFV03732	Shield Case (Upper)	
2	YEFX0215195	Bracket, CD Deck	
3	YEFX0215969	Bracket, IC852	
4	YEFM031269	Seal, Danger	
6	YEFX007565	Cord Clamper	
7	YEFR04623	Lead Cap	
8	YEFA031795	Upper Cover	
9	YEFA08546	Rear Plate	
10	YEFF011026A	Heat Sink	
11	YEFV03731	Shield Case (Lower)	
12	YEFX0215944	Bracket, IC712	
13	YEFX0215199	Bracket, IC306	
14	YEFX0212830	Bracket, Q720	
15	YEFX0214977	Bracket, RCA/REG	
16	YEFX0215200	Bracket, ANT451	
17	YEFA07552A	Front Plate	
18	YEFA09734	Side Bracket (L)	
19	YEFF01982	Heat Sink	
20	YEFC027696	Escutcheon Ass'y	
21	YEFN99413	Panel Ass'y	
22	YEFE07510	Knob, TUNE/TRACK	
23	YEFE07491A	Knob, VOL	
24	YEFX9992774	Vacuum Tube	
25	XNG3GFX	Nut	
26	YEFX9992587	Double Side Adhesive Tape	
27	YEFX0012140A	Transparent Plate	
28	YEFX0012139A	Transparent Plate	
29	YEFX0215943	Bracket, LCD	
30	YEFV021885	Optical Shade	
31	YEFX0012247	Transparent Plate	
32	YEFX9992802	Reflection Sheet	
33	YEFR07146	Rubber Contact	
34	YEFK061038	Holder, LCD	
35	YEFX0012246	Transparent Plate	
36	YEFS02339	Felt	
37	YEFX233516	Bracket, Dust Felt	
40	YEP9FX181	Analog Meter Ass'y	
41	YEFV03614	Magnetic Shield	
42	YEFA131663	Cover	
43	YEFV021895	Optical Shade	
44	YEFA09735	Side Bracket (R)	
45	YEFA05842	Bottom Cover	
46	YEFS04765	Rubber Packing	
47	YEFV021887	Optical Shade (E)	
48	YEFV021894	Optical Shade (F)	
61	YEJS06296	Screw	
62	YEJT03033	Tapping Screw, 3mm * 6mm	
63	YEJT03008	Tapping Screw, 3mm * 10mm	
64	YEJT03009	Tapping Screw, 3mm * 8mm	
66	YEJT03015	Tapping Screw, 3mm * 6mm	

Ref. No.	Part No.	Part Name & Description	Remarks
67	YEJT03163	Tapping Screw, 2mm * 6mm	
68	YEJT03267	Tapping Screw, 2.8mm * 5mm	
69	XTB3+8GFX	Tapping Screw, 3mm * 8mm	
70	XTB2+8GFX	Tapping Screw, 2mm * 8mm	
71	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
72	XYN2+C12FX	Screw, 2mm * 12mm	
73	YEJS05017	Screw, 3mm * 8mm	
74	XYN2+J4FX	Screw, 2mm * 4mm	

12. EXPLODED VIEW (Unit)



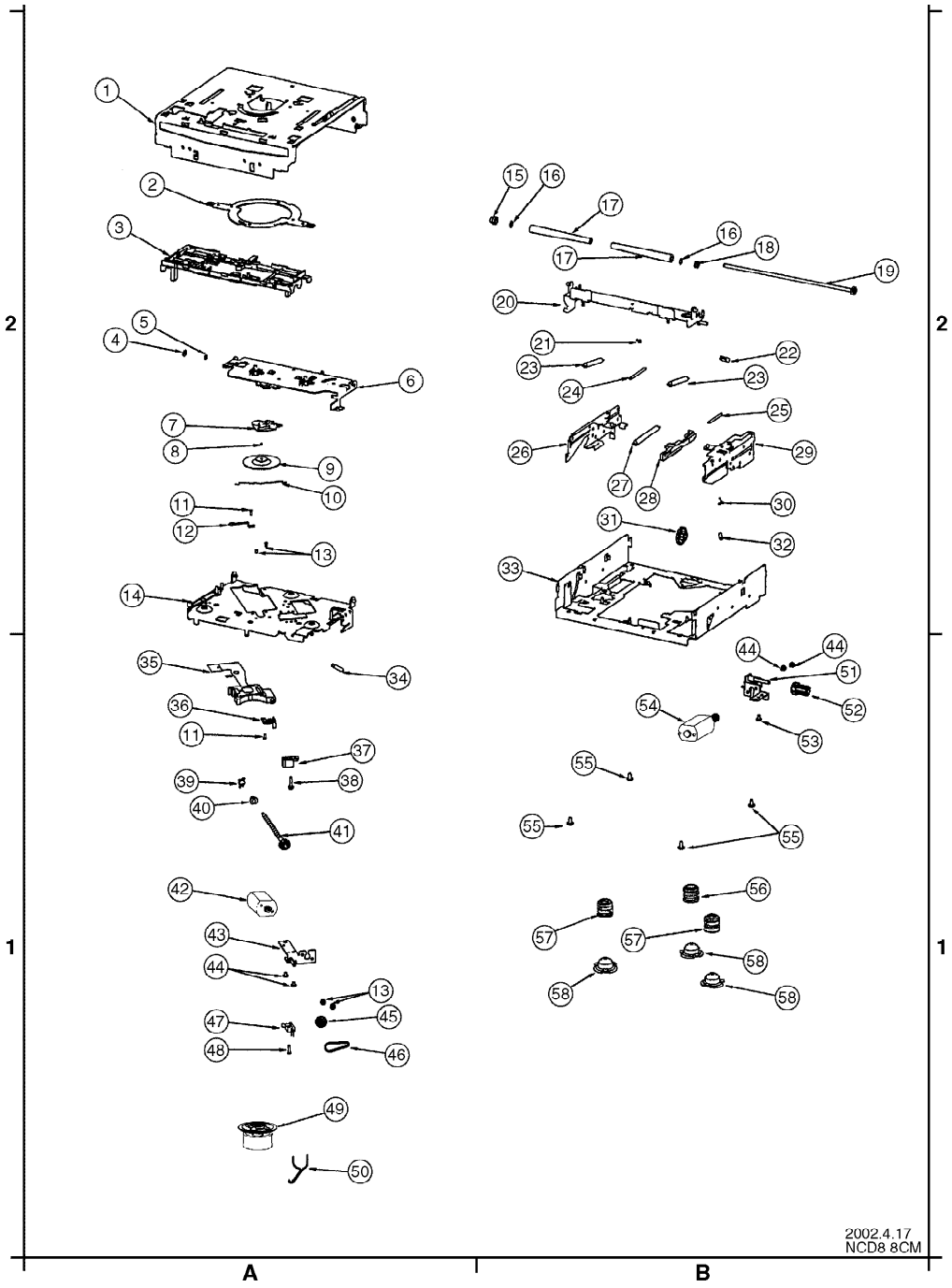
13. CD PLAYER PARTS(NCD8)

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011934	Upper Chassis	
2	YGFX0462017	Lock Link Lever	
3	YGFX236153	Disc Guide	
4	YGFX0051590	Spring Washer	
5	XUC15V	Snap Ring	
6	YGFX249489	Clamp Arm Unit Ass'y	
7	YGFX0052363	Clamper Spring	
8	YEFX999957	Ball Baring	
9	YGFX007640	Clamper	
10	YGFX0051991C	Spring, Motor	
11	YEJS02037A	Screw (Pickup)	
12	YEFX0052557	Traverse Guide	
13	XQN17+A25FX	Screw, 1.7mmX25mm	
14	YGFA011915	Suspension Chassis Ass'y	
15	YGFW04138	Roller Baring (2)	
16	YEJW04128	Washer	
17	YGFX218310	Rubber Roller	
18	YGFW04144	Roller Bearing (1)	
19	YGP0FX3507	Roller Gear Ass'y	
20	YGFX0462019	Feeder Arm Ass'y	
21	YEFS011723	Pad (2)	
22	YEFS011712	Pad (1)	
23	YGFX0052362	Spring (Feeder Arm)	
24	YGFX0052395	Offset Spring	
25	YGFX0052355	Spring (Rack Plate)	
26	YGFX0462015A	Suspension Lock Plate (L)	
27	YGFX0052360	Spring, Suspension Lock Plate (L)	
28	YGFX0031104	Rack Plate	
29	YGP0FX4165	Suspension Lock Plate (R) Ass'y	
30	YGFX0052356	Spring (Rack Lock Lever)	
31	YGFX0031108	Drive Gear (2)	
32	YGFX0052361	Spring (Rock Plate)	
33	YGFA011779	Main Chassis (L) Ass'y	
34	YGFX0052353	Clamp Arm Spring	
35	YEP0FX4378	Optical Pickup Ass'y	
36	YGFX9992027	Feed Screw Bearing	
37	YGFW04150	Feed Screw Housing (A)	
38	XYN2+J10FX	Screw (Housing)	
39	YGFX0052386	Thrust Adjusting Spring	
40	YGFW04137A	Feed Screw Housing (B)	
41	YEJT03211	Traverse Gear Ass'y	
42	YGP0FX4162	Traverse Motor Ass'y	
43	YGFX018658	Motor Bracket Ass'y	
44	YEJS06097A	Screw 2mmX25mm	
45	YGFX026124A	Idler Pulley	
46	YEFR03080	Rubber Belt	
47	YEAS23151A	Leaf Switch	
48	YEJS02018FZ	Screw	
49	YGP0FX3529	Spindle Motor Ass'y	
50	YGAJ071286	Motor Cable	
51	YGFX018660	Loading Motor Bracket (M) Ass'y	
52	YGFX003940	Drive Gear (1)	
53	YEJS06188	Screw (LM Bracket)	
54	YGP0FX4167	Loading Motor Ass'y	

Ref. No.	Part No.	Part Name & Description	Remarks
55	YEJT03216	Screw (Main Chassis)	
56	YGFX0052359	Suspension Spring (B)	
57	YGFX0052358	Suspension Spring (A)	
58	YEFS04730	Oil Dumper	

14. EXPLODED VIEW (CD Deck)



15. WIRING DIAGRAM

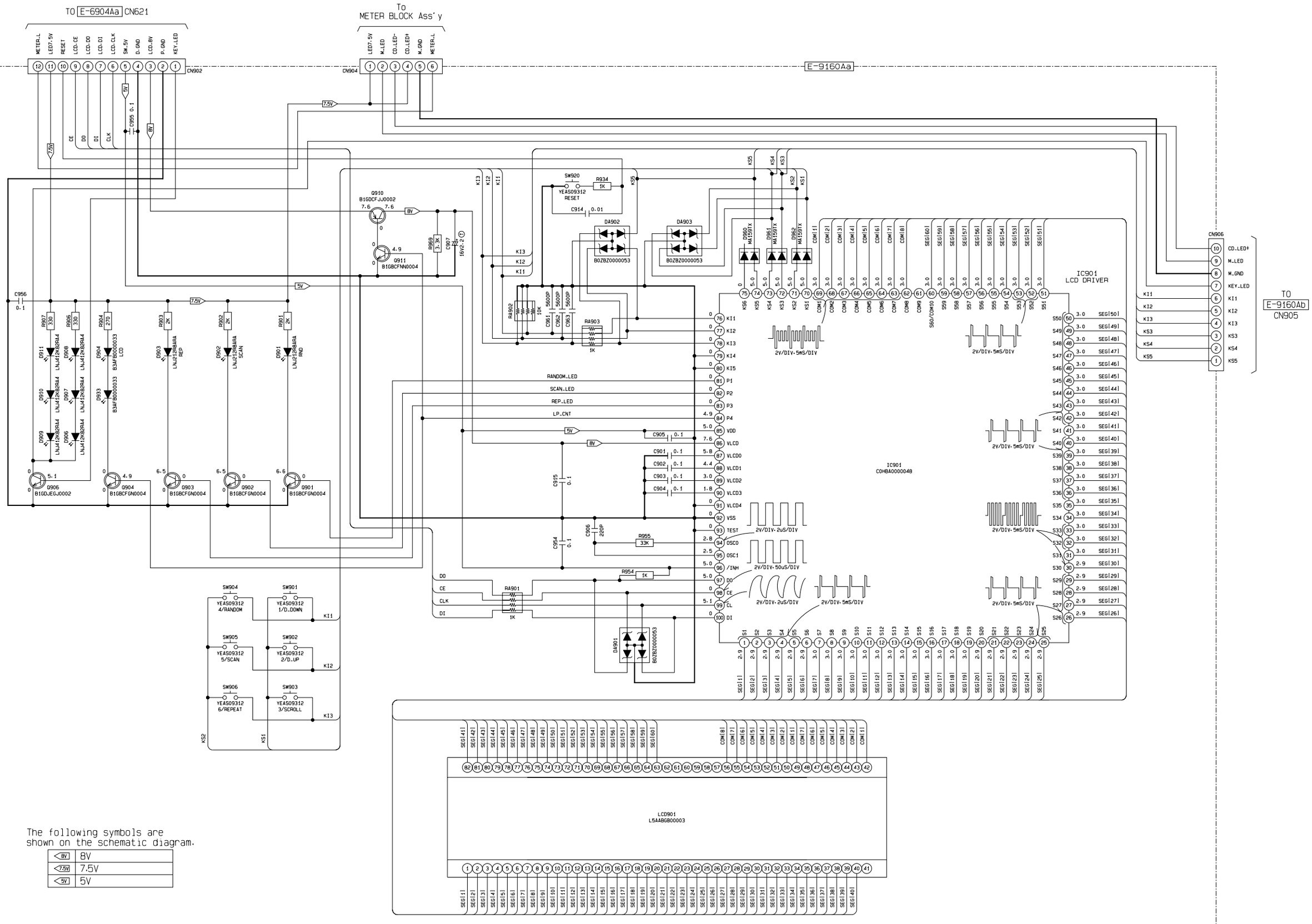
15.1. DC DC/V.Tube Block
15.2. Main Pre-AMP Block (Top View)
15.3. Main Pre-AMP Block (Bottom View)
15.4. Connector Block
15.5. Display L/Display R Block
15.6. CD Deck (Top View)
15.7. CD Deck (Bottom View)
15.8. CD-EJ/Junction Block
16. SCHEMATIC DIAGRAM-1
16.1. DC DC /V.Tube/Junction Block
16.2. Connector Block
17. SCHEMATIC DIAGRAM-2
17.1. Main-1 Block
17.2. Main-2/Pre-AMP Block
17.3. Display L Block
17.4. Display R/CD-EJ Block
17.5. CD Deck Block
18. SCHEMATIC DIAGRAM for Printing with Letter Size
18.1. Main-1 Block (Left Side)
18.2. Main-1 Block (Right Side)
18.3. Main-2/Pre-AMP Block (Left Side)
18.4. Main-2/Pre-AMP Block (Right Side)
18.5. Display L Block (Left Side)
18.6. Display L Block (Right Side)

18.7. Display R/CD-EJ Block (Left Side)

18.8. Display R/CD-EJ Block (Right Side)

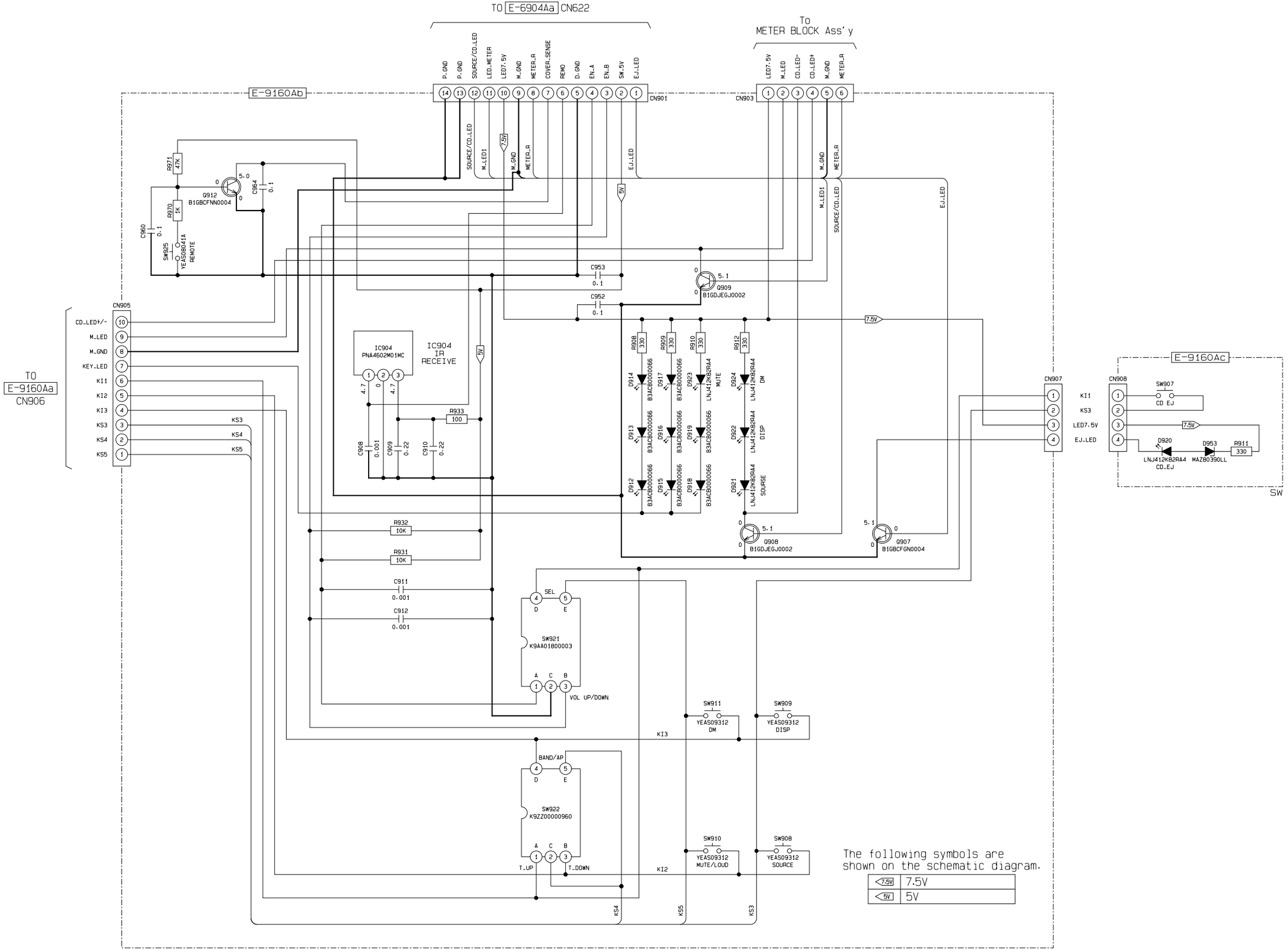
18.9. CD Deck Block (Left Side)

18.10. CD Deck Block (Right Side)



The following symbols are shown on the schematic diagram.

<8V>	8V
<7.5V>	7.5V
<5V>	5V


TO E-6904Aa CN622
To METER BLOCK Ass'y
P.GND
P.GND
SOURCE/CD_LED
LED_METER
LED7.5V
M_GND
METER_R
COVER_SENSE
REMO
D.GND
EN_A
EN_B
SW_5V
EJ_LED
CN901
LED7.5V
M_LED
CD_LED-
CD_LED+
M_GND
METER_R
CN903
E-9160Ab
R971 47K
R970 1K
C960 0.1
C964 0.1
Q912 B1GBCFNN0004
SW925 YEAS08041A REMOTE
C953 0.1
C952 0.1
Q909 B1GDJEGJ0002
CN905
CD_LED+/-
M_LED
M_GND
KEY_LED
KI1
KI2
KI3
KS3
KS4
KS5
TO E-9160Aa CN906
IC904 PNA4602M01MC
IC904 IR RECEIVE
R933 100
C908 0.001
C909 0.22
C910 0.22
R908 330
R909 330
R910 330
R912 330
D914 B3ACB0000066
D917 B3ACB0000066
D923 B3ACB0000066
D924 LNJ412K82RA4 DM
D913 B3ACB0000066
D916 B3ACB0000066
D919 B3ACB0000066
D922 LNJ412K82RA4 DISP
D912 B3ACB0000066
D915 B3ACB0000066
D918 B3ACB0000066
D921 LNJ412K82RA4 SOURCE
MUTE
R932 10K
R931 10K
C911 0.001
C912 0.001
SW921 K9AA01B00003
VOL UP/DOWN
SW922 K9ZZ00000960
T_UP
T_DOWN
Q908 B1GDJEGJ0002
Q907 B1GBCFGN0004
CN907
CN908
KI1
KS3
LED7.5V
EJ_LED
SW907 CD EJ
D920 LNJ412K82RA4 CD_EJ
D953 MAZB0390LL
R911 330
E-9160Ac
SW
SW911 YEAS09312 DM
SW909 YEAS09312 DISP
SW910 YEAS09312 MUTE/LOUD
SW908 YEAS09312 SOURCE
The following symbols are shown on the schematic diagram.
7.5V 7.5V
5V 5V

E-9068Ba

OPTICAL HOLOGRAM PICK-UP

CN101

IC101 RF AMP

IC101 C1BB00000624

IC401 CD DSP

IC401 MN662748JWB

IC441 COJAAE0000087 OR

IC551 IM SRAM

IC551 C3BB+6000053

IC501 CD CPU

IC501 MN101C28LAC2

IC451 MN193322WF

IC451 SUB CPU

IC541 3V TO 5V

IC531 REG

IC901 COGBY0000012 COIL/ MOTOR DRIVE

E-9068Bc

Loading Motor

E-9068Bb

Spindle Motor

Traverse Motor

CN902

CN901

E-9068Bd

CN1

TO E-6904Ac CN802

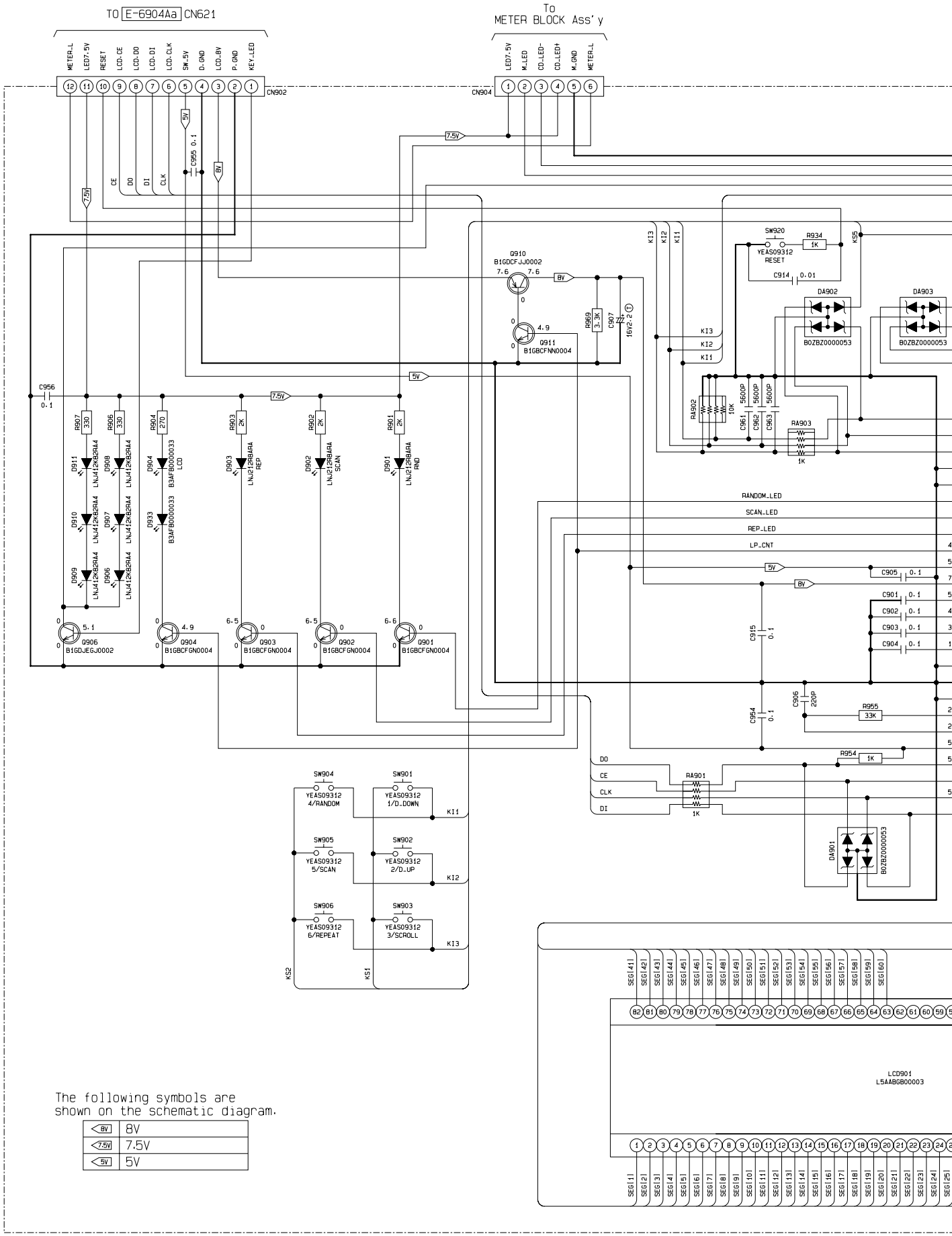
The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
CD (L,R)	CD (L,R)

CQ-TX5500W CD DECK NCD8 8CM

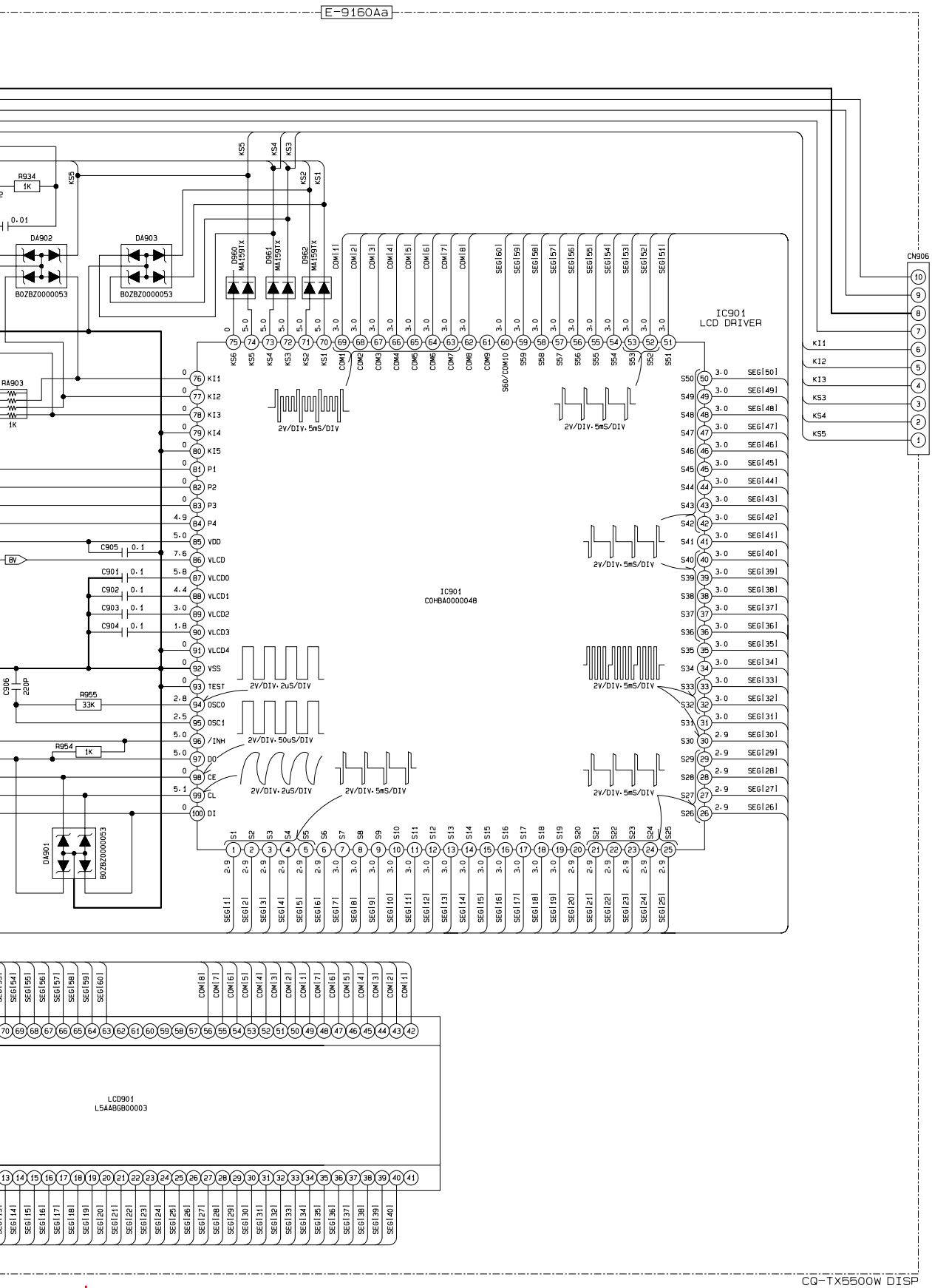
Printed in Japan (K)
2002.4
(Recycled Paper)

17.3. Display L Block

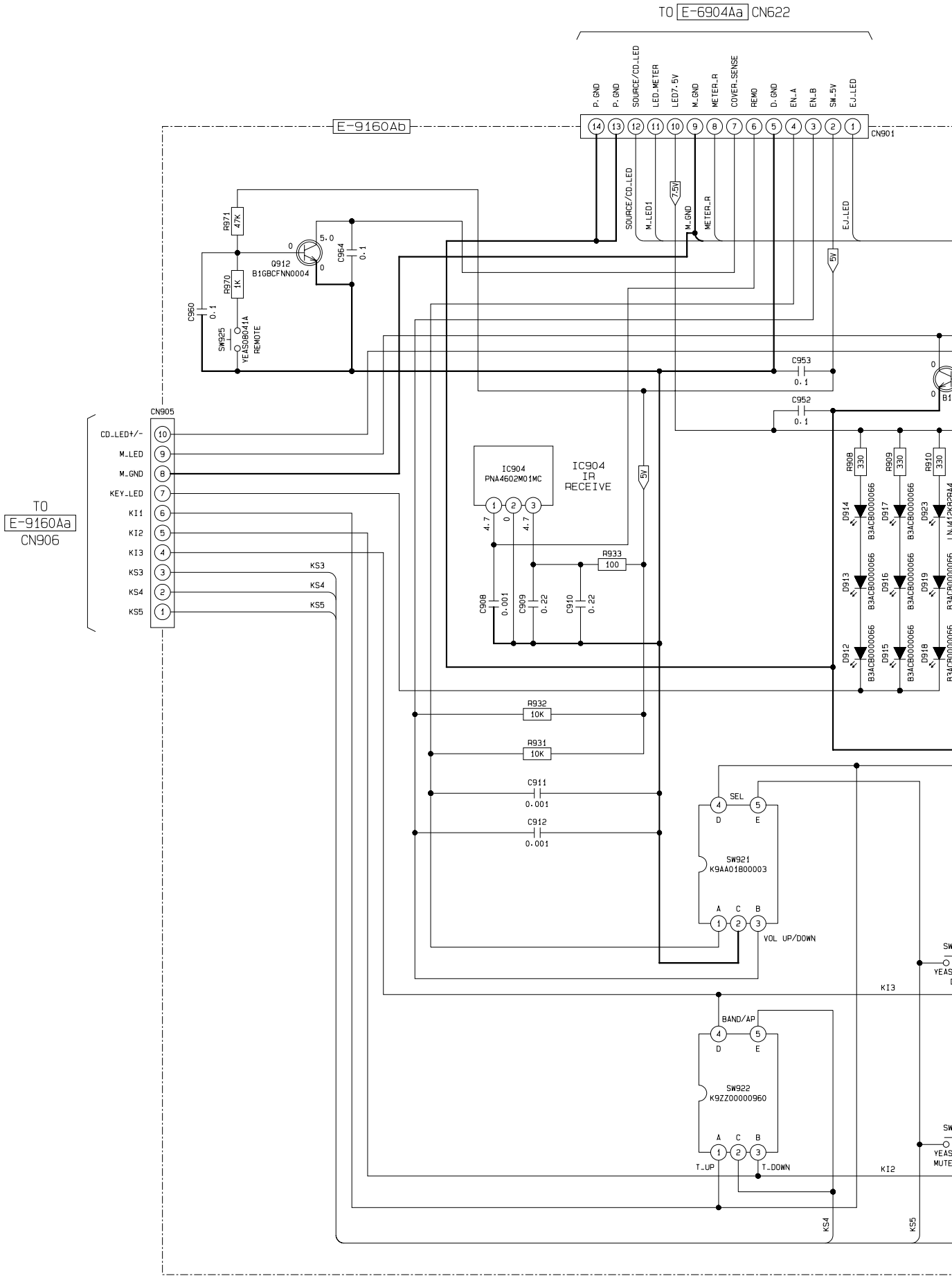


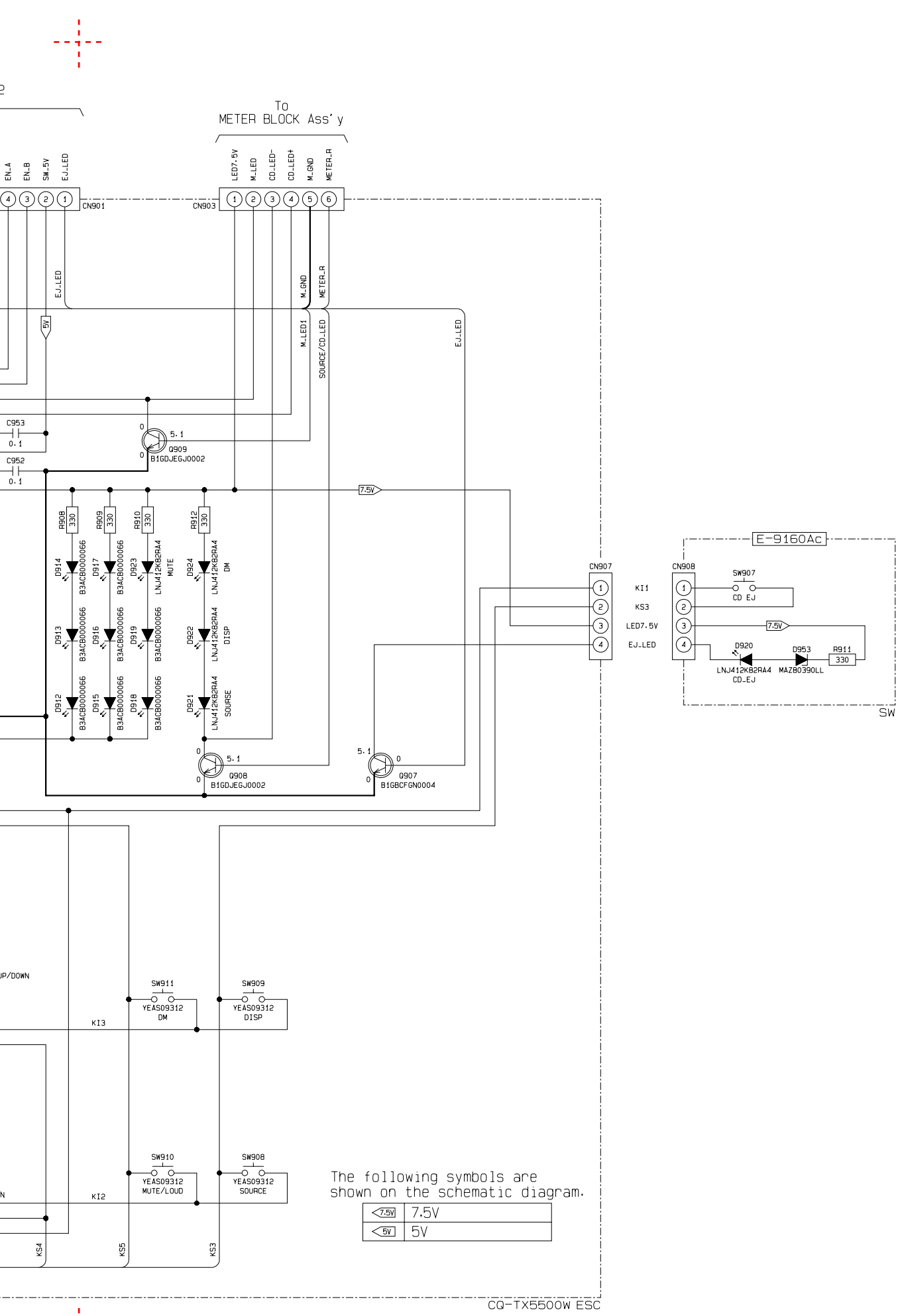
The following symbols are shown on the schematic diagram.

8V	8V
7.5V	7.5V
5V	5V


E-9160Aa
IC901
LCD DRIVER
IC901
COMBA000004B
CN906
CD_LED+
M_LED
M_GND
KEY_LED
KI1
KI2
KI3
KS3
KS4
KS5
TO
E-9160Ab
CN905
DA902
DA903
B0ZBZ0000053
D960
D961
D962
MA159TX
R934
1K
0.01
RA903
1K
C905
C901
C902
C903
C904
0.1
C906
220P
R955
33K
R954
1K
2V/DIV.5mS/DIV
2V/DIV.2uS/DIV
2V/DIV.50uS/DIV
LCD901
L5AABG800003
CQ-TX5500W DISP

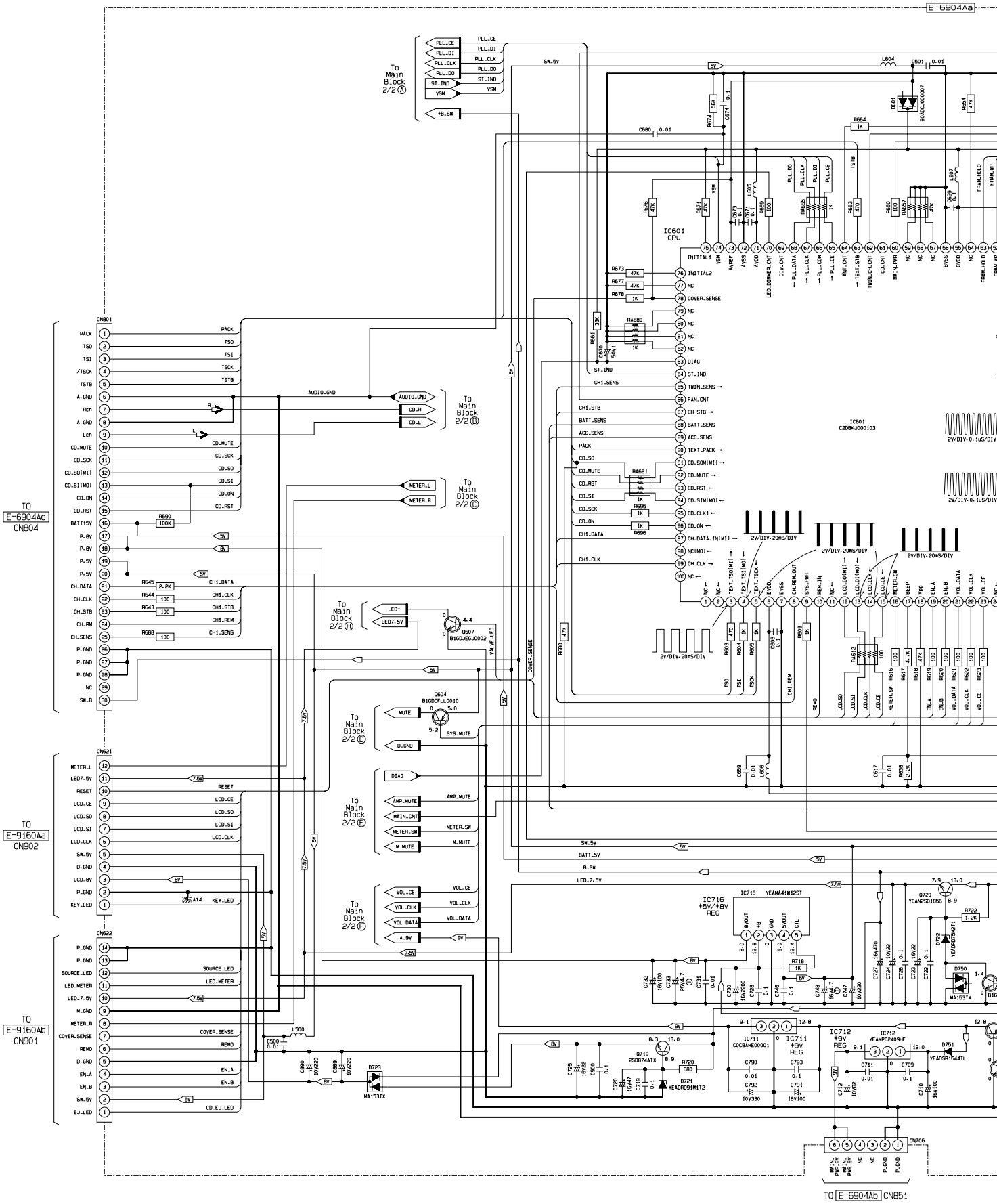
17.4. Display R/CD-EJ Block

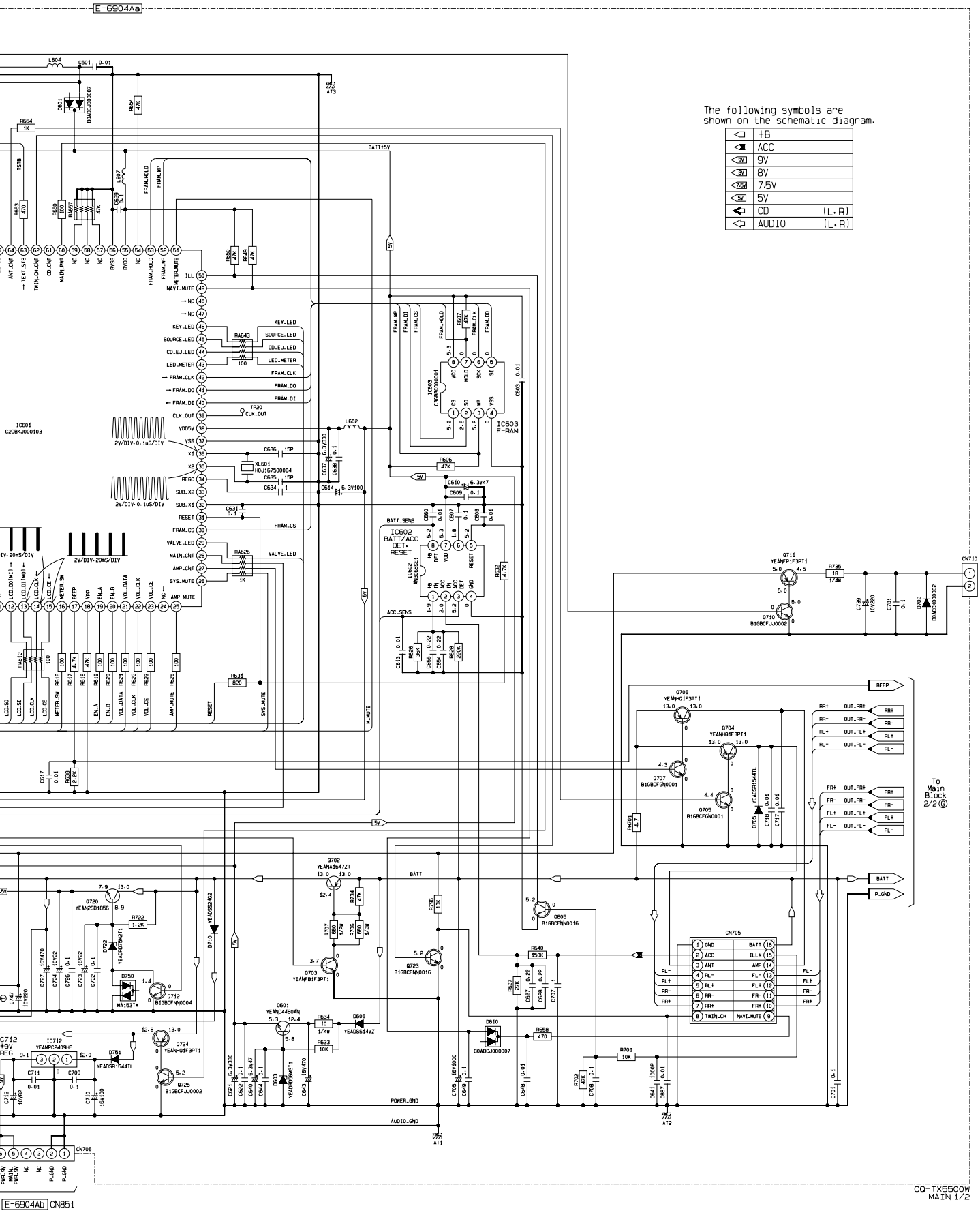



To
METER BLOCK Ass'y
LED7.5V
M_LED
CD_LED-
CD_LED+
M_GND
METER_R
EN_A
EN_B
SW_5V
EJ_LED
CN901
CN903
EJ_LED
M_GND
METER_R
M_LED1
SOURCE/CD_LED
EJ_LED
5V
C953
0.1
C952
0.1
5.1
Q909
B1GDJEGJ0002
7.5V
R908
R909
R910
R912
330
D914
D917
D923
D924
B3ACB0000066
LNJ412K82RA4
MUTE
DM
D913
D916
D919
D922
DISP
D912
D915
D918
D921
SOURSE
5.1
Q908
B1GDJEGJ0002
5.1
Q907
B1GBCFGN0004
CN907
KI1
KS3
LED7.5V
EJ_LED
E-9160Ac
CN908
SW907
CD EJ
7.5V
D920
LNJ412K82RA4
CD_EJ
D953
MAZ80390LL
R911
330
SW
SW911
YEAS09312
DM
SW909
YEAS09312
DISP
KI3
SW910
YEAS09312
MUTE/LOUD
SW908
YEAS09312
SOURCE
KI2
KS4
KS5
KS3
The following symbols are
shown on the schematic diagram.
7.5V
7.5V
5V
5V
CQ-TX5500W ESC

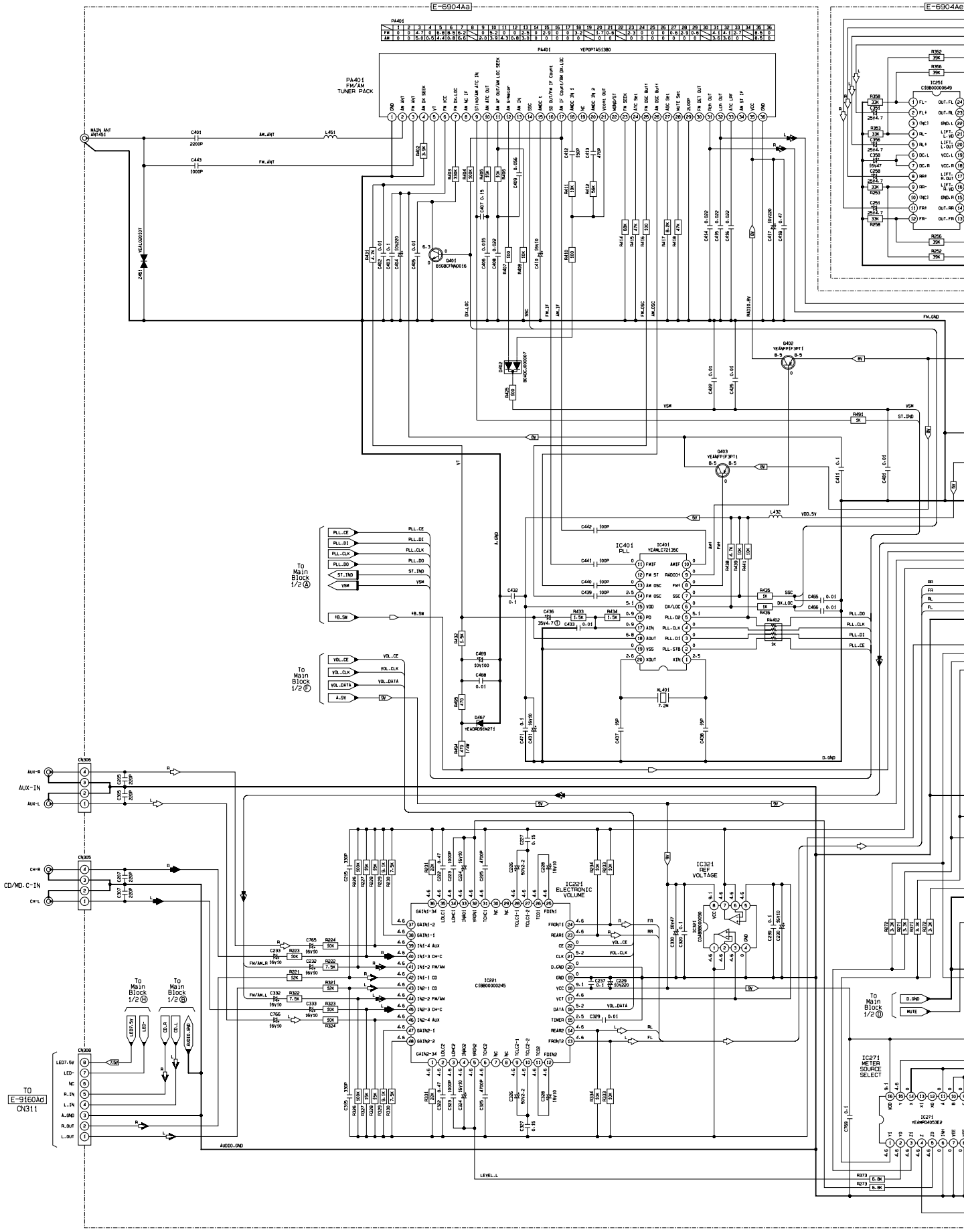
17 SCHEMATIC DIAGRAM-2

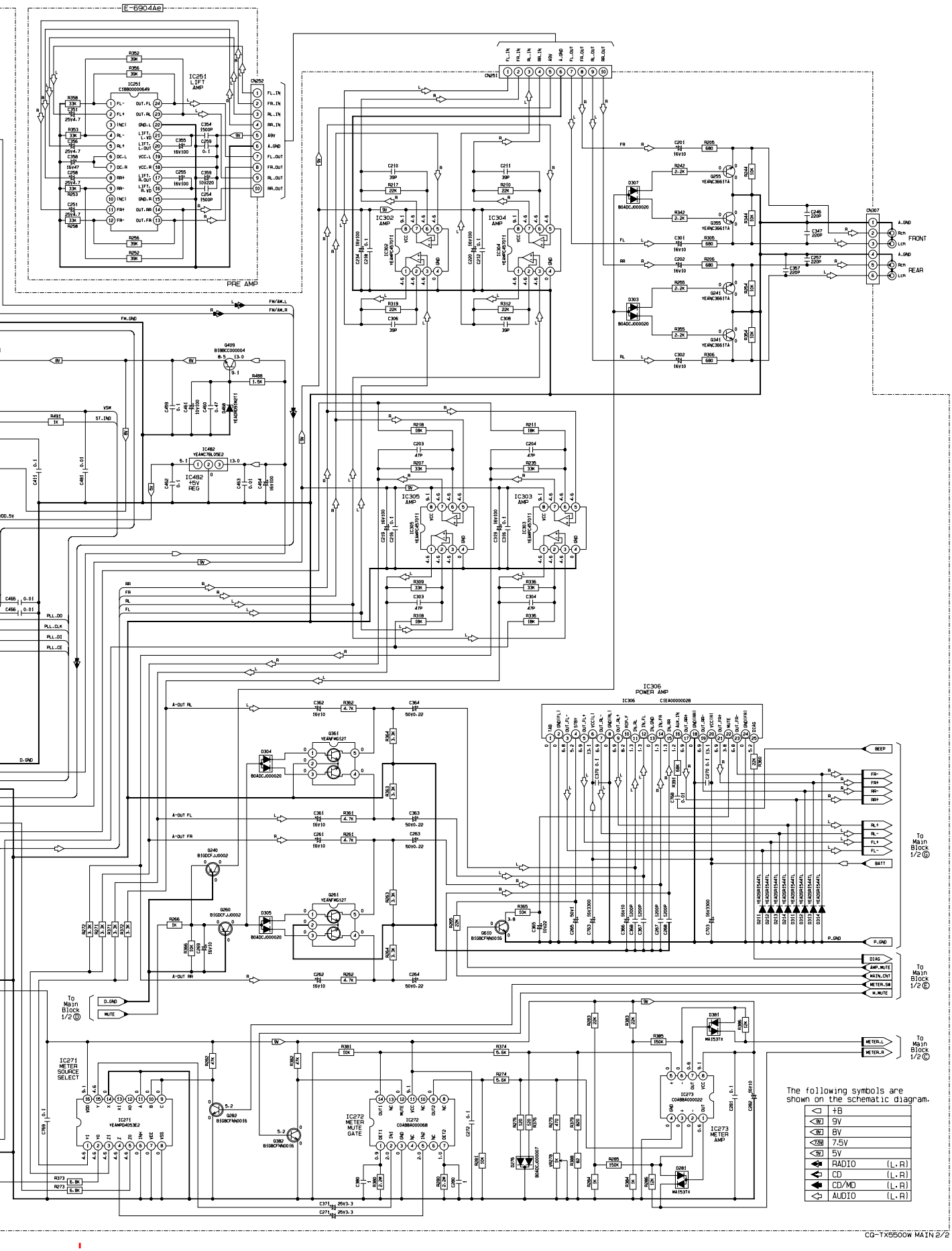
17.1. Main-1 Block




E-6904Aa
The following symbols are shown on the schematic diagram.
+B
ACC
9V
8V
7.5V
5V
CD (L.A)
AUDIO (L.A)
IC601 C2DBKJ000103
IC602 BATT/ACC DET. RESET
IC603 F-RAM
IC712 REG
CN705
CN706
CN710
To FAN
To Main Block 2/2 G
BEEP
BATT
P.GND
POWER_GND
AUDIO_GND
E-6904Ab CN851
CQ-TX5500W MAIN 1/2

17.2. Main-2/Pre-AMP Block




E-6904Ae
PRE AMP
IC251 LIFT AMP
IC302 AMP
IC304 AMP
IC305 AMP
IC303 AMP
IC482 +5V REG
IC305 POWER AMP
IC271 METER SOURCE SELECT
IC272 METER MUTE GATE
IC273 METER AMP
FRONT
REAR
To Main Block 1/2 (G)
To Main Block 1/2 (F)
To Main Block 1/2 (D)
To Main Block 1/2 (C)
The following symbols are shown on the schematic diagram.
+B
9V
8V
7.5V
5V
RADIO (L,R)
CD (L,R)
CD/MD (L,R)
AUDIO (L,R)
CG-TX5500W MAIN 2/2

E-6904Aa

The following symbols are shown on the schematic diagram.

+B	
ACC	
9V	
8V	
7.5V	
5V	
CD	(L.R)
AUDIO	(L.R)

IC601 CPU

IC601 C2DBKJ000103

IC603 F-RAM C30B64000001

IC602 BATT/ACC DET-RESET AN6005SE1

IC716 YEAMA41W12ST +5V/+8V REG

IC711 C0CB4HE00001 +9V REG

IC712 YEAMPC2409HF +9V REG

IC715 C3ABZE000001 +7.5V REG

Q601 YEANC4804AN

Q702 YEANA1647ZT

Q703 YEANFB1F3PT1

Q704 YEANHQ1F3PT1

Q705 B1GBCFGN0001

Q706 YEANHQ1F3PT1

Q707 B1GBCFGN0001

Q710 B1GBCFJJ0002

Q711 YEANFP1F3PT1

Q712 B1GBCFNN0004

Q720 YEAN2SD1856

Q723 B1GBCFNN0016

Q724 YEANHQ1F3PT1

Q725 B1GBCFJJ0002

Q604 B1GDCFLL0010

Q607 B1GDJEGJ0002

D605 B1GBCFNN0016

D606 YEADSS14VZ

D610 B0ADCJ000007

D702 B0ADCX000002

D710 YEADS24H2

D719 2SD874ATX

D720 YEADSD1856

D721 YEADRD91M1T2

D722 YEADRT5M2T1

D723 MA153TX

D750 MA153TX

D751 YEADSR1544TL

XL601 HDJ167500004

CN801 CN802 CN803 CN804 CN901 CN902 CN921 CN922 CN705 CN706 CN710 CN851

TO E-6904Ac CN804

TO E-9160Ac CN901

TO E-9160Aa CN902

TO E-6904Ab CN851

To Main Block 2/2Ⓐ

To Main Block 2/2Ⓑ

To Main Block 2/2Ⓒ

To Main Block 2/2Ⓓ

To Main Block 2/2Ⓔ

To Main Block 2/2Ⓕ

To Main Block 2/2Ⓖ

To Main Block 2/2Ⓗ

To FAN

CG-TX5500W
MAIN 1/2

E-6904Aa

E-6904Ae

P4401 FM/AM TUNER PACK

PRE AMP

IC302 AMP

IC304 AMP

IC305 AMP

IC303 AMP

IC306 POWER AMP

IC401 PLL

IC482 +5V REG

IC221 ELECTRONIC VOLUME

IC321 REF VOLTAGE

IC271 METER SOURCE SELECT

IC272 METER MUTE GATE

IC273 METER AMP

FRONT

REAL

To Main Block 1/2 (A)

To Main Block 1/2 (F)

To Main Block 1/2 (H)

To Main Block 1/2 (B)

To Main Block 1/2 (D)

To Main Block 1/2 (E)

To Main Block 1/2 (C)

TO E-9160Ad CN311

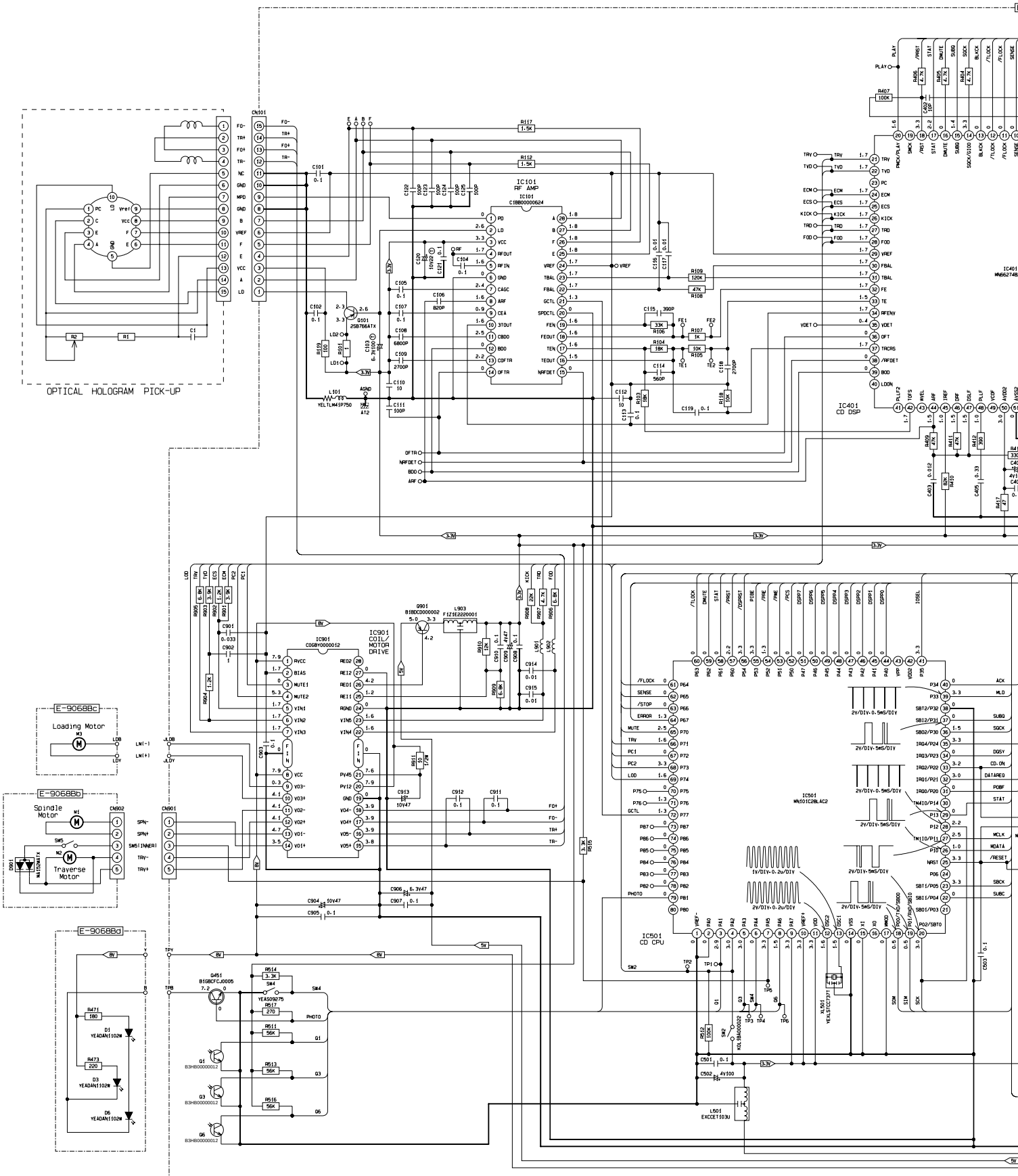
AUX-IN

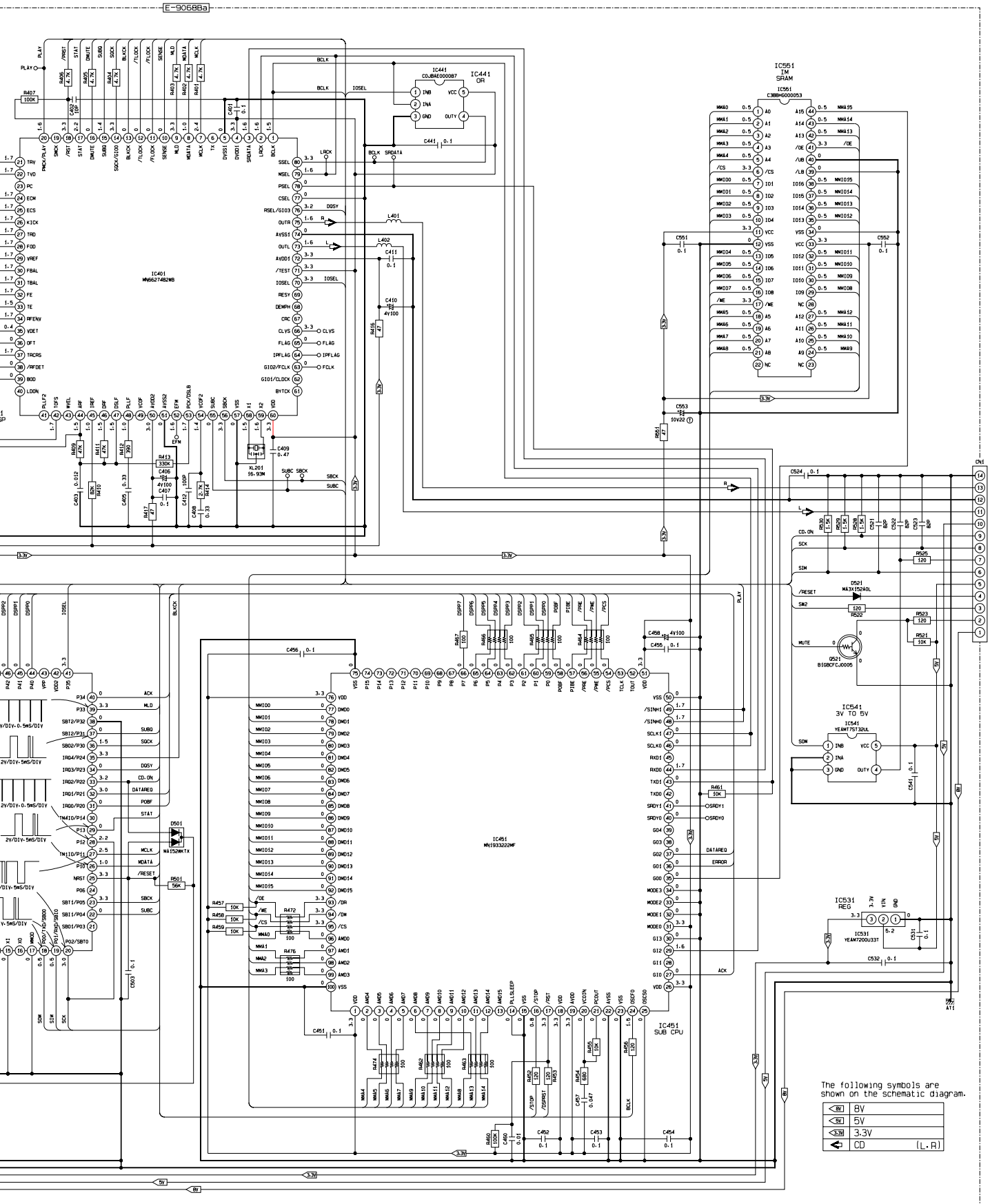
CD/MD.C-IN

The following symbols are shown on the schematic diagram.

+B	
9V	
8V	
7.5V	
5V	
RADIO	(L,R)
CD	(L,R)
CD/MD	(L,R)
AUDIO	(L,R)

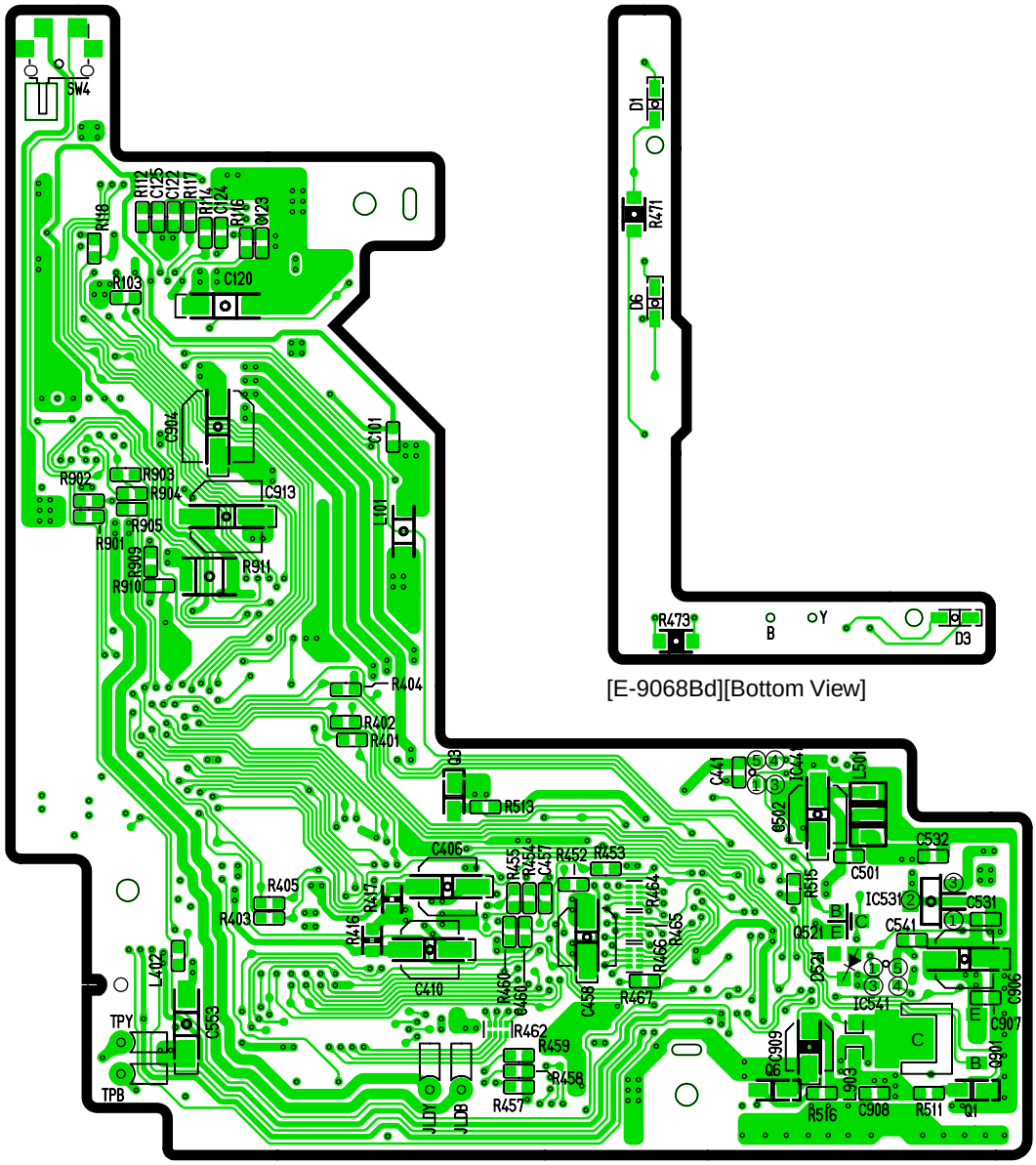
17.5. CD Deck Block





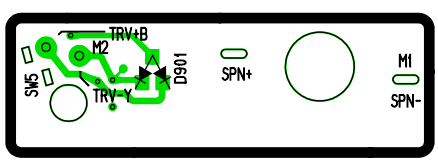
CQ-TX5500W CD DECK NCD8 8CM

Printed in Japan (K)
2002.4
(Recycled Paper)

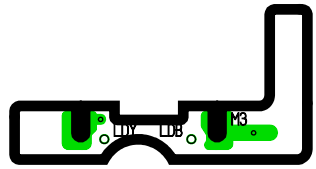


[E-9068Ba][Bottom View]

[E-9068Bd][Bottom View]

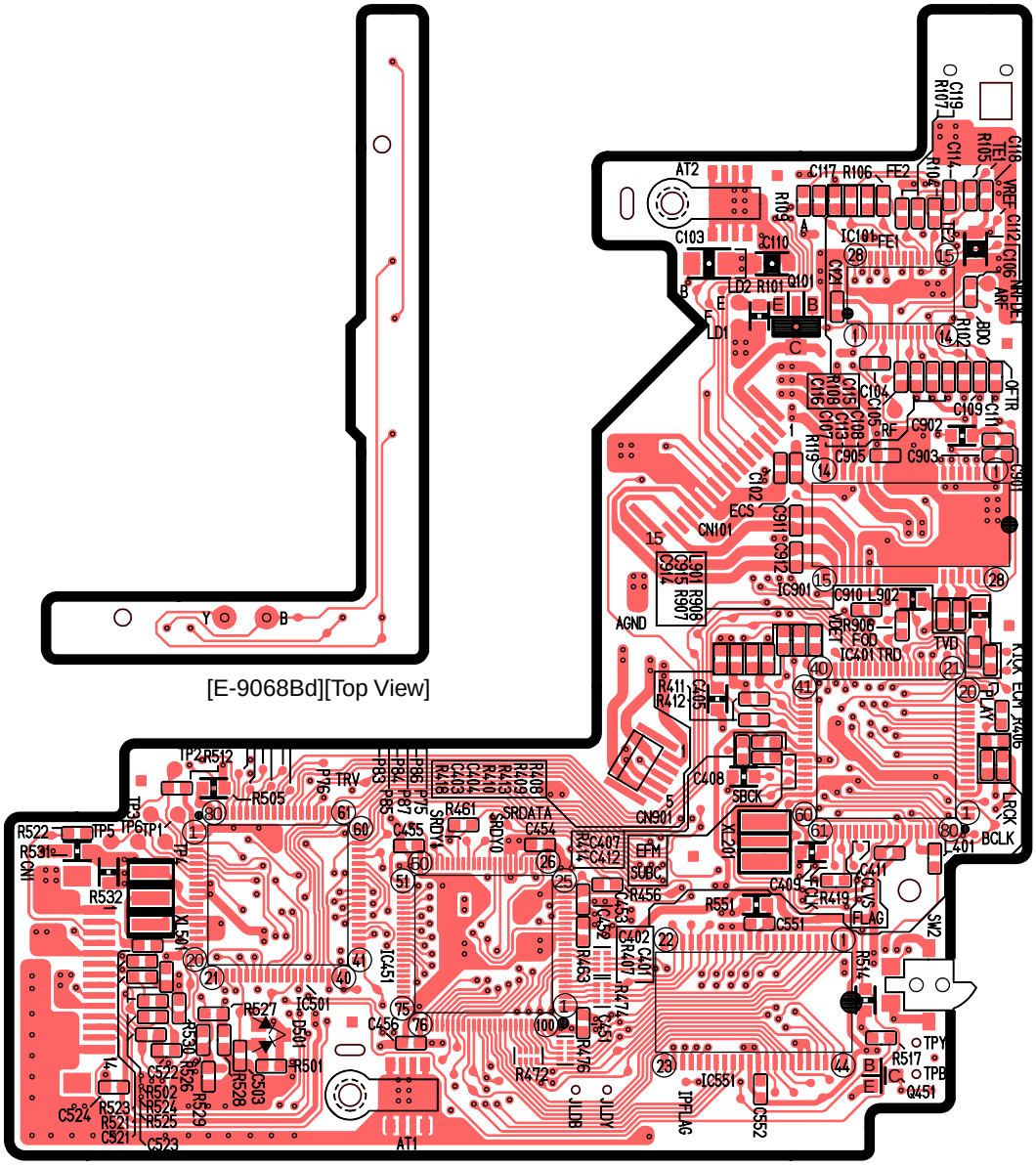


[E-9068Bb][Bottom View]

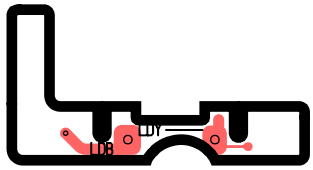


[E-9068Bc][Bottom View]

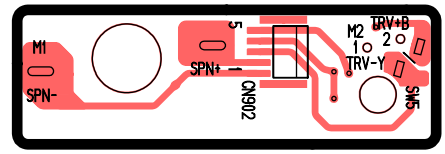
[E-9068Bd][Top View]



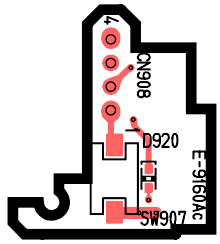
[E-9068Ba][Top View]



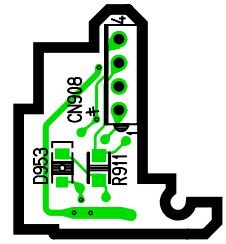
[E-9068Bc][Top View]



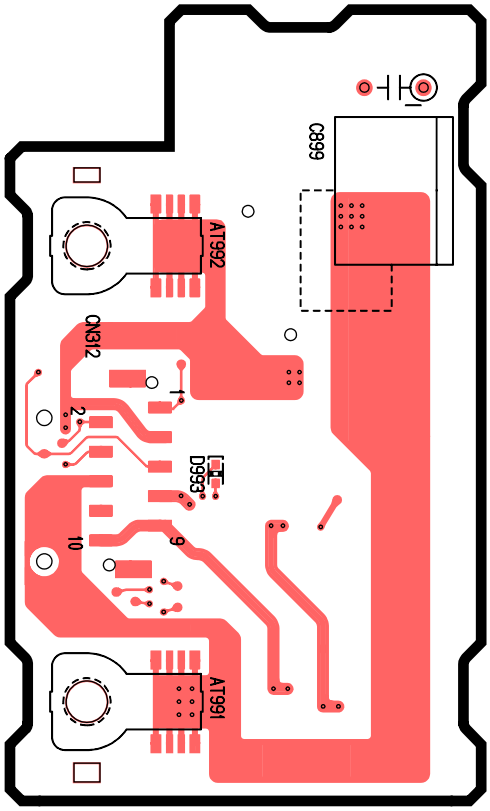
[E-9068Bb][Top View]



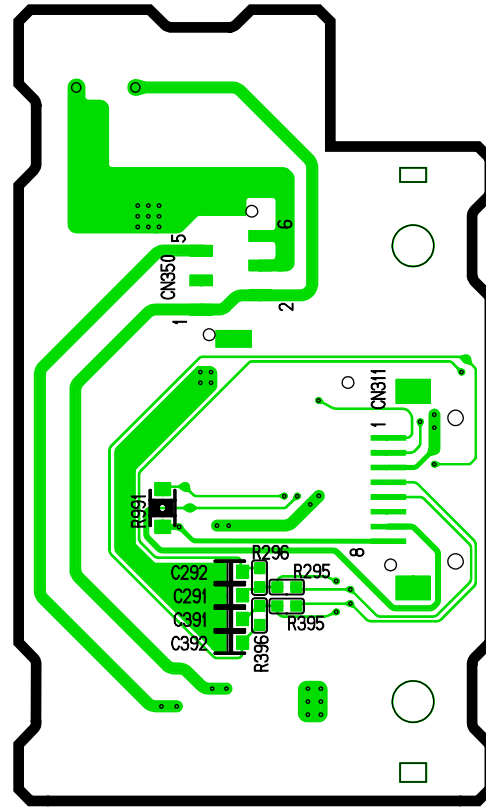
[E-9160Ac]
[Top View]



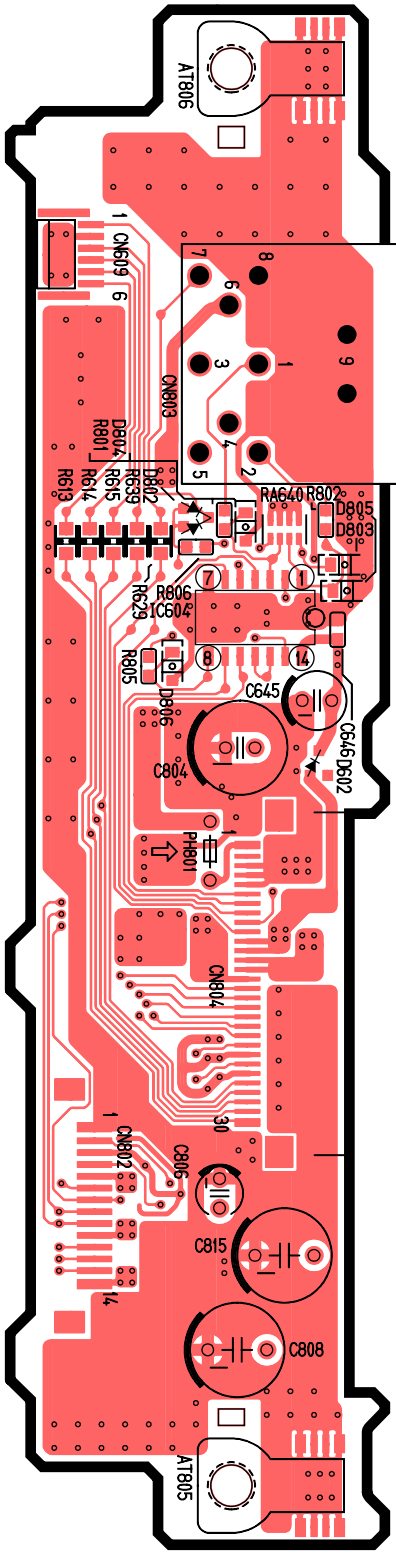
[E-9160Ac]
[Bottom View]



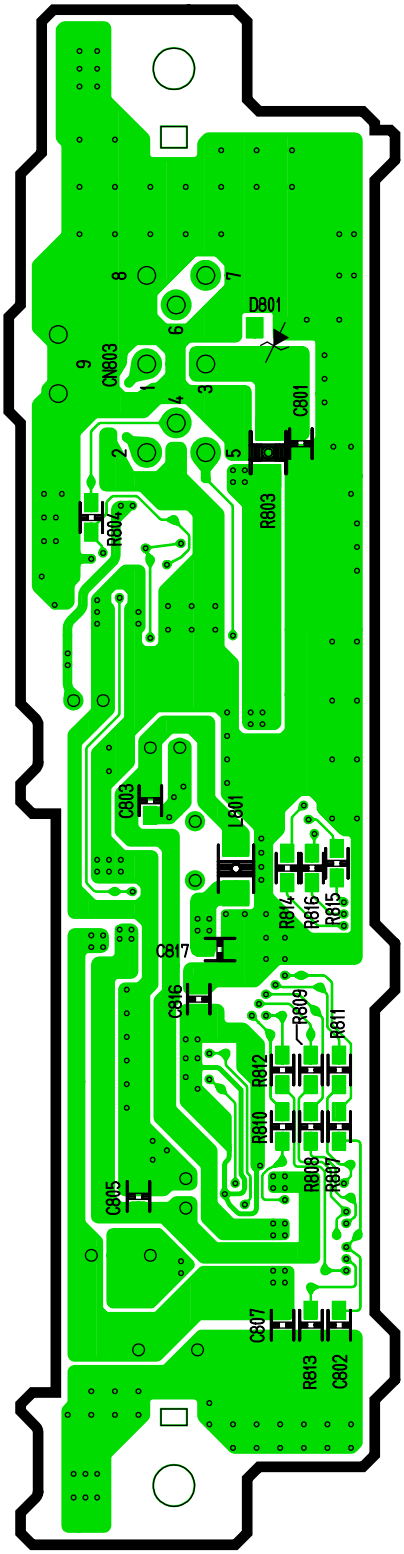
[E-9160Ad][Top View]



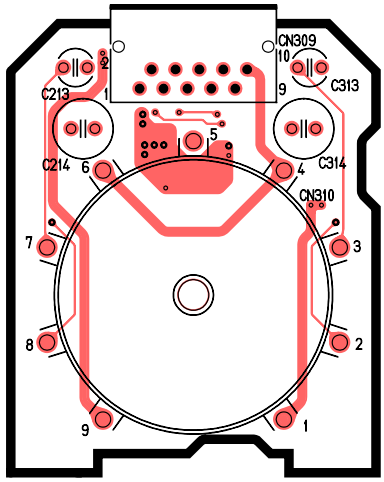
[E-9160Ad][Bottom View]



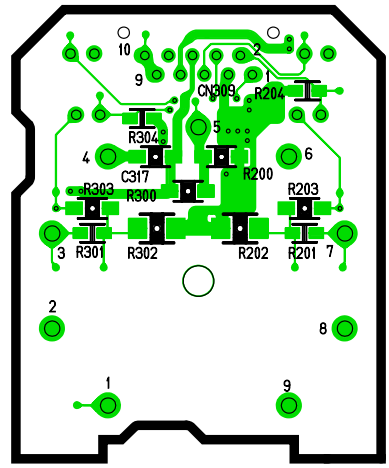
[E-6904Ac]
[Top View]



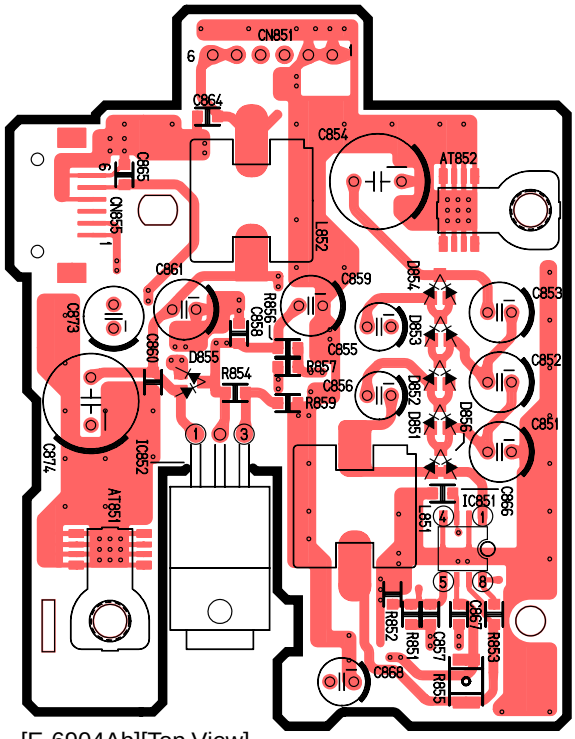
[E-6904Ac]
[Bottom View]



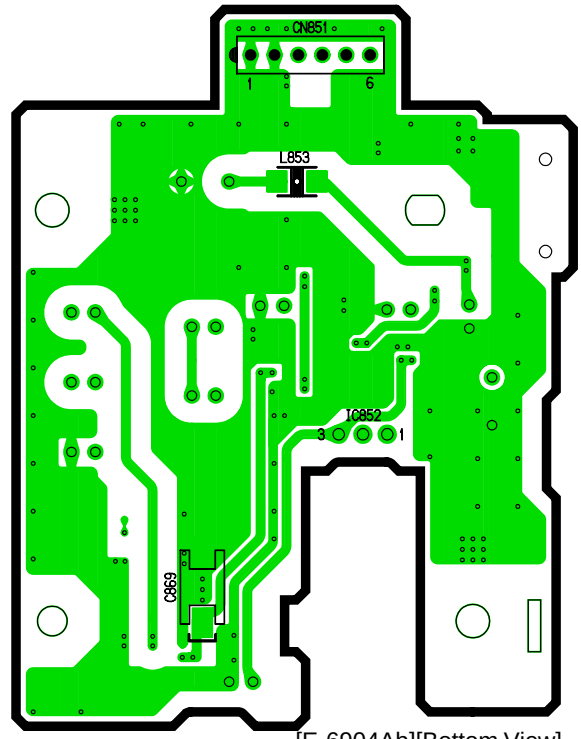
[E-6904Ad][Top View]



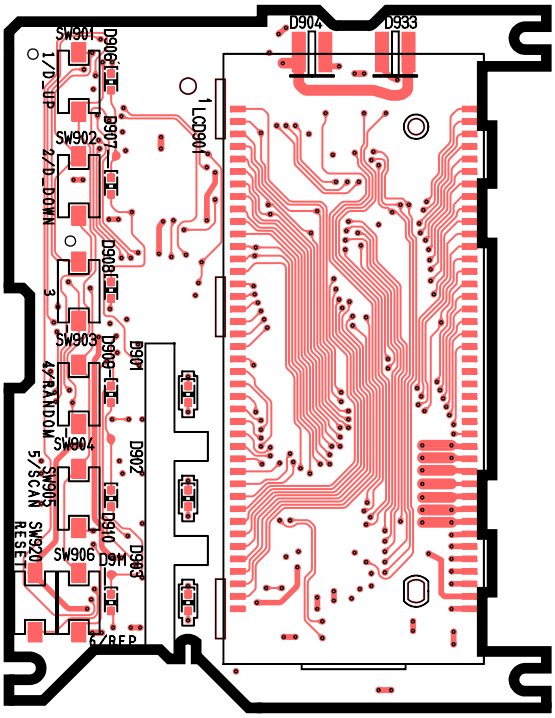
[E-6904Ad][Bottom View]



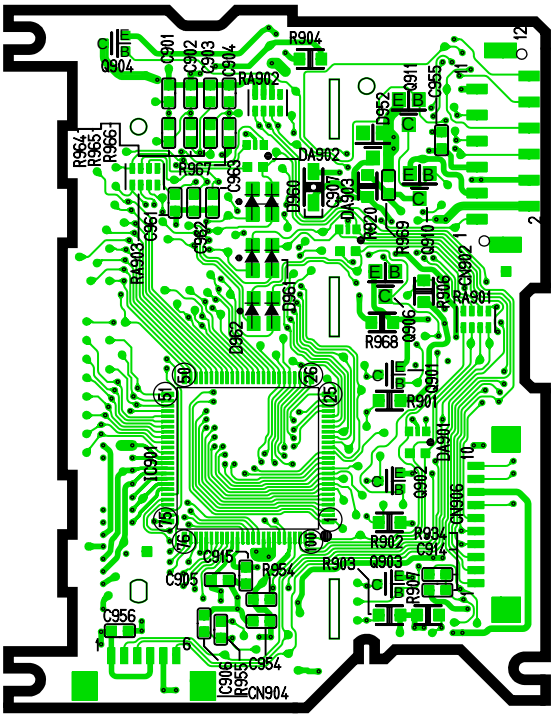
[E-6904Ab][Top View]



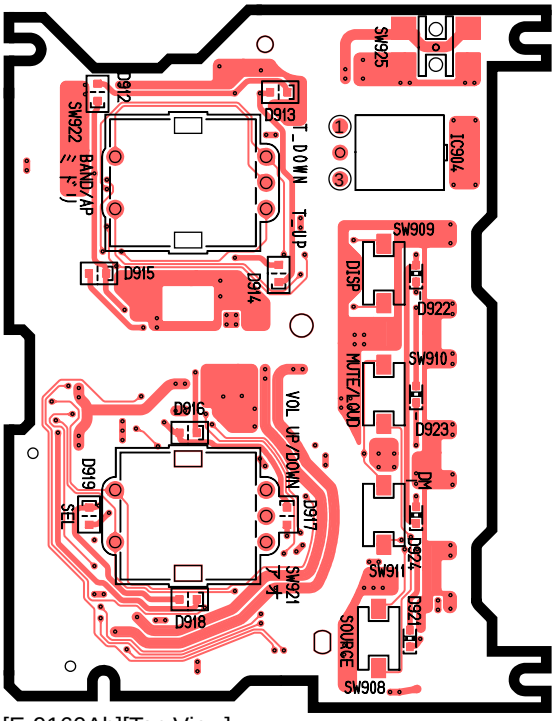
[E-6904Ab][Bottom View]



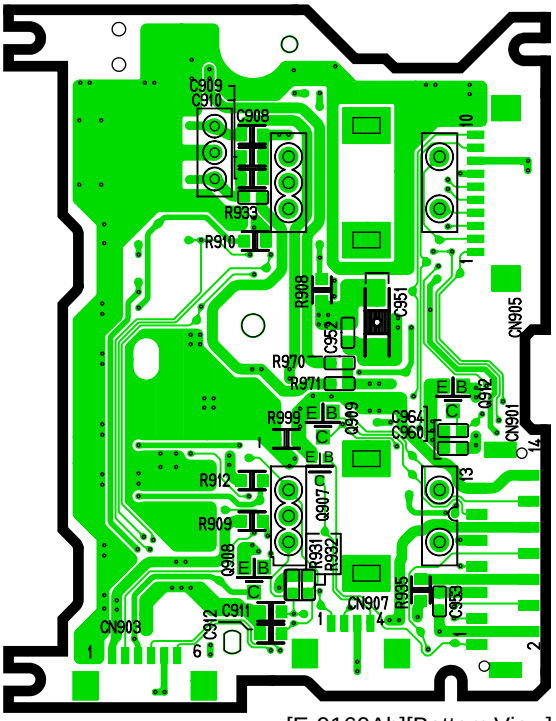
[E-9160Aa][Top View]



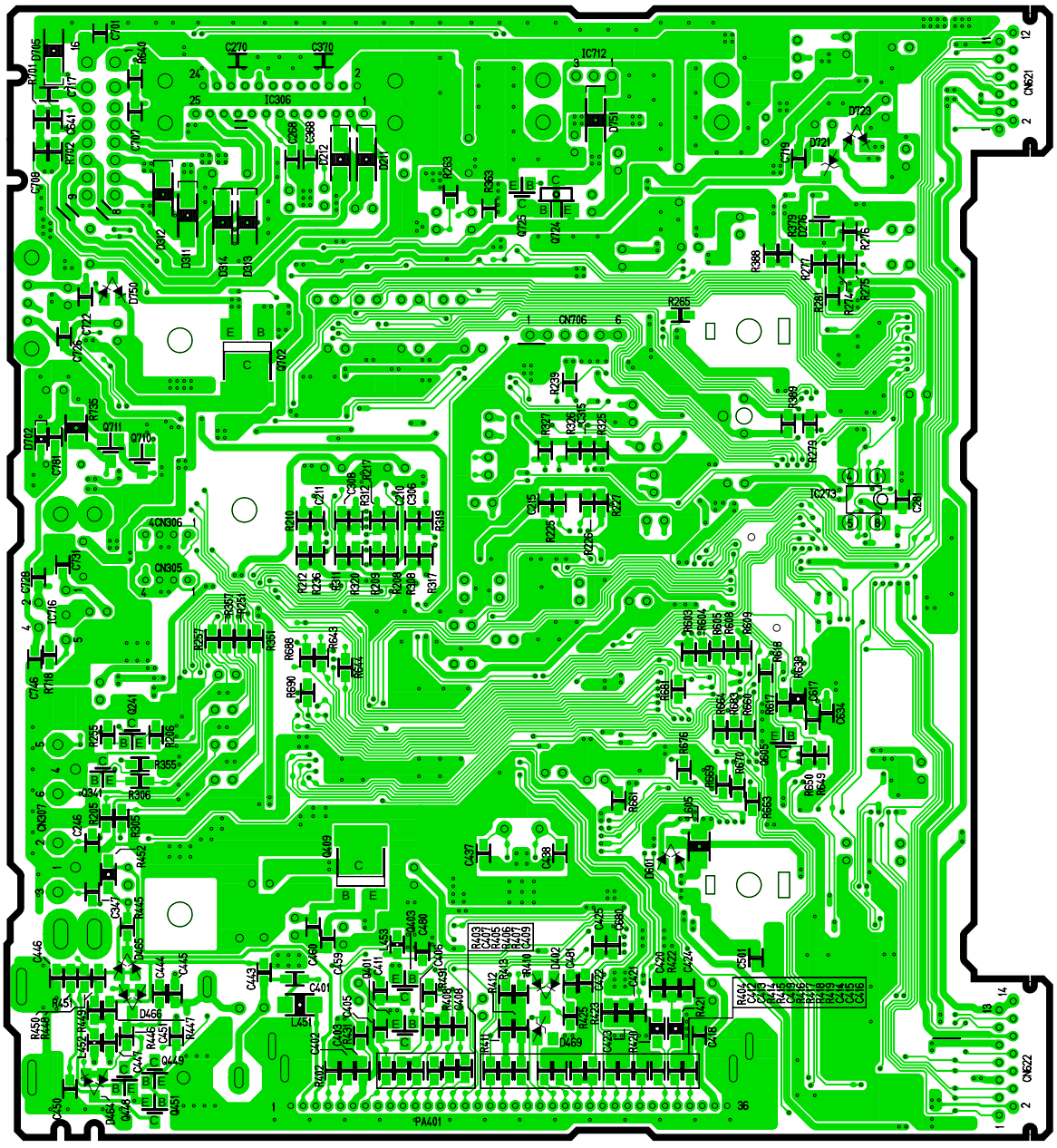
[E-9160Aa][Bottom View]



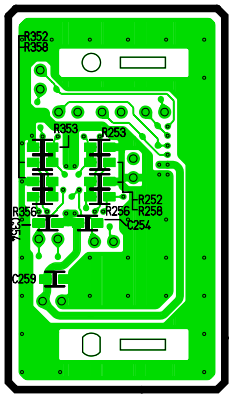
[E-9160Ab][Top View]



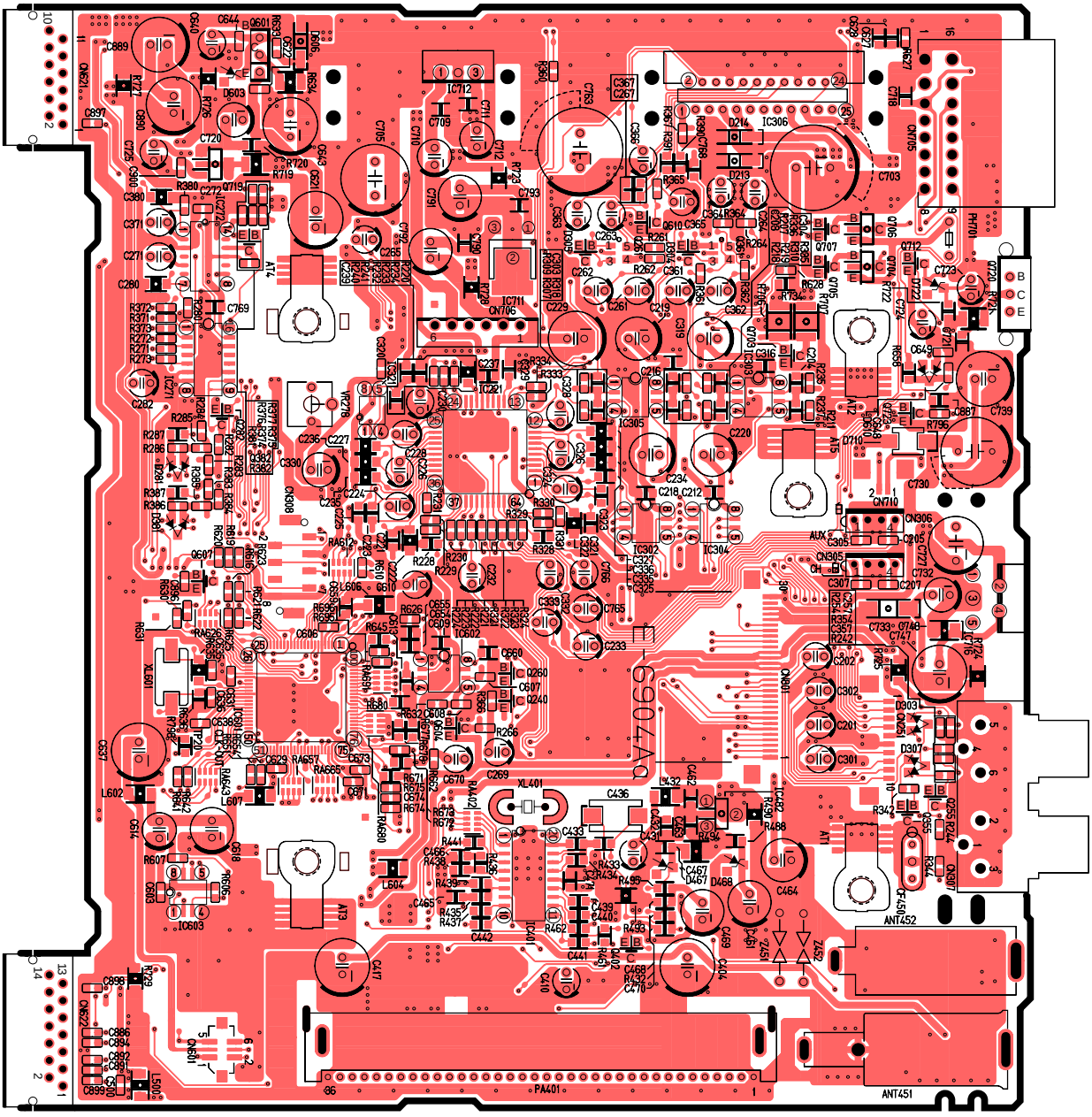
[E-9160Ab][Bottom View]



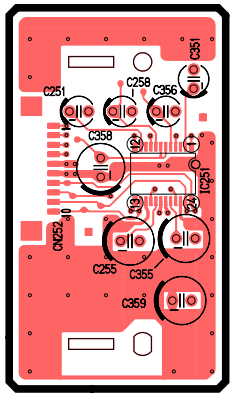
[E-6904Aa][Bottom View]



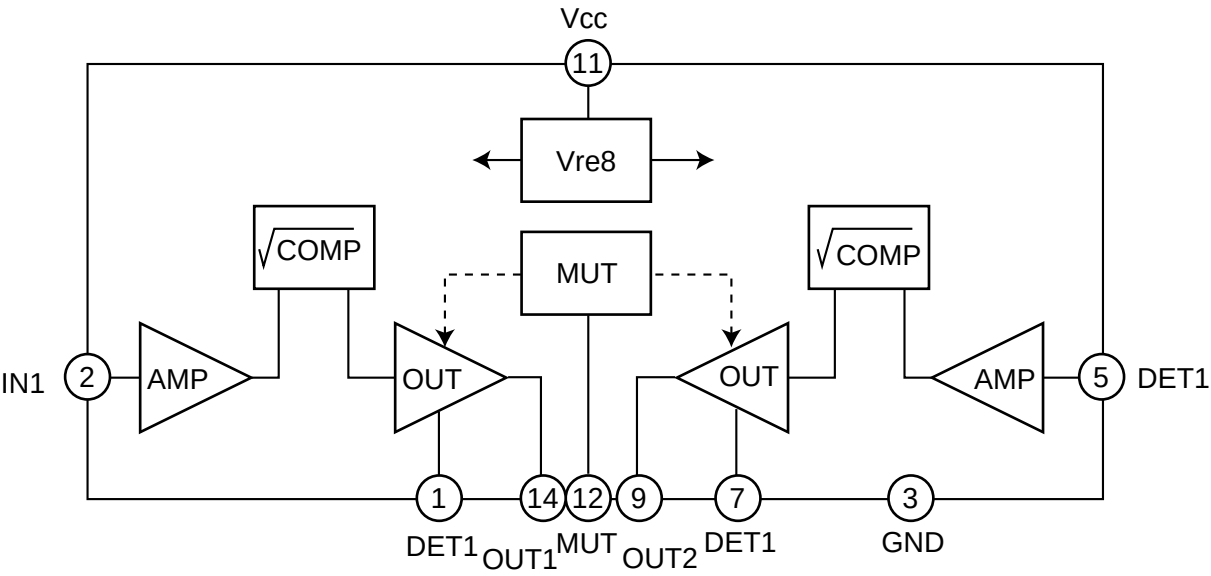
[E-6904Ae][Bottom View]

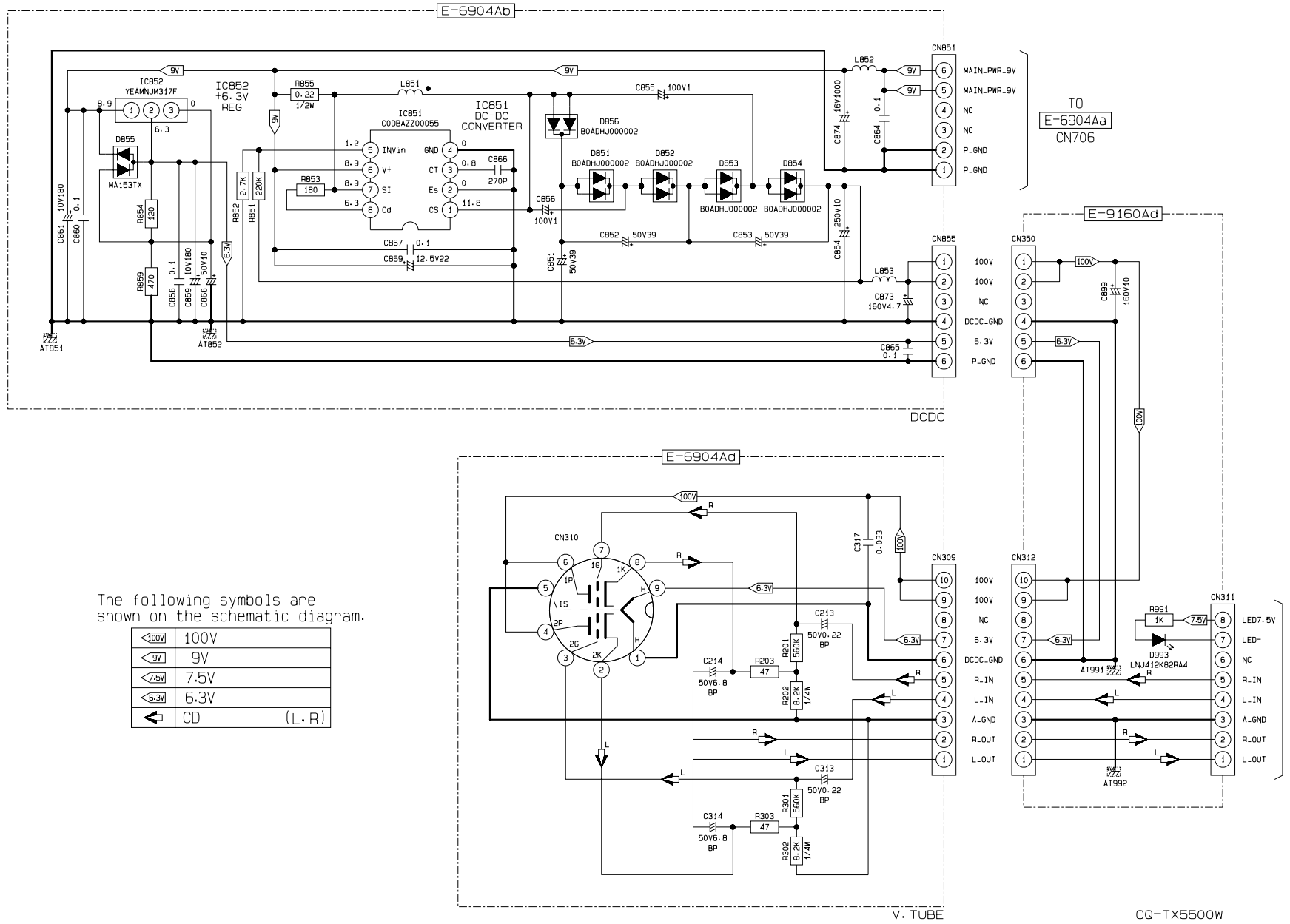


[E-6904Aa][Top View]



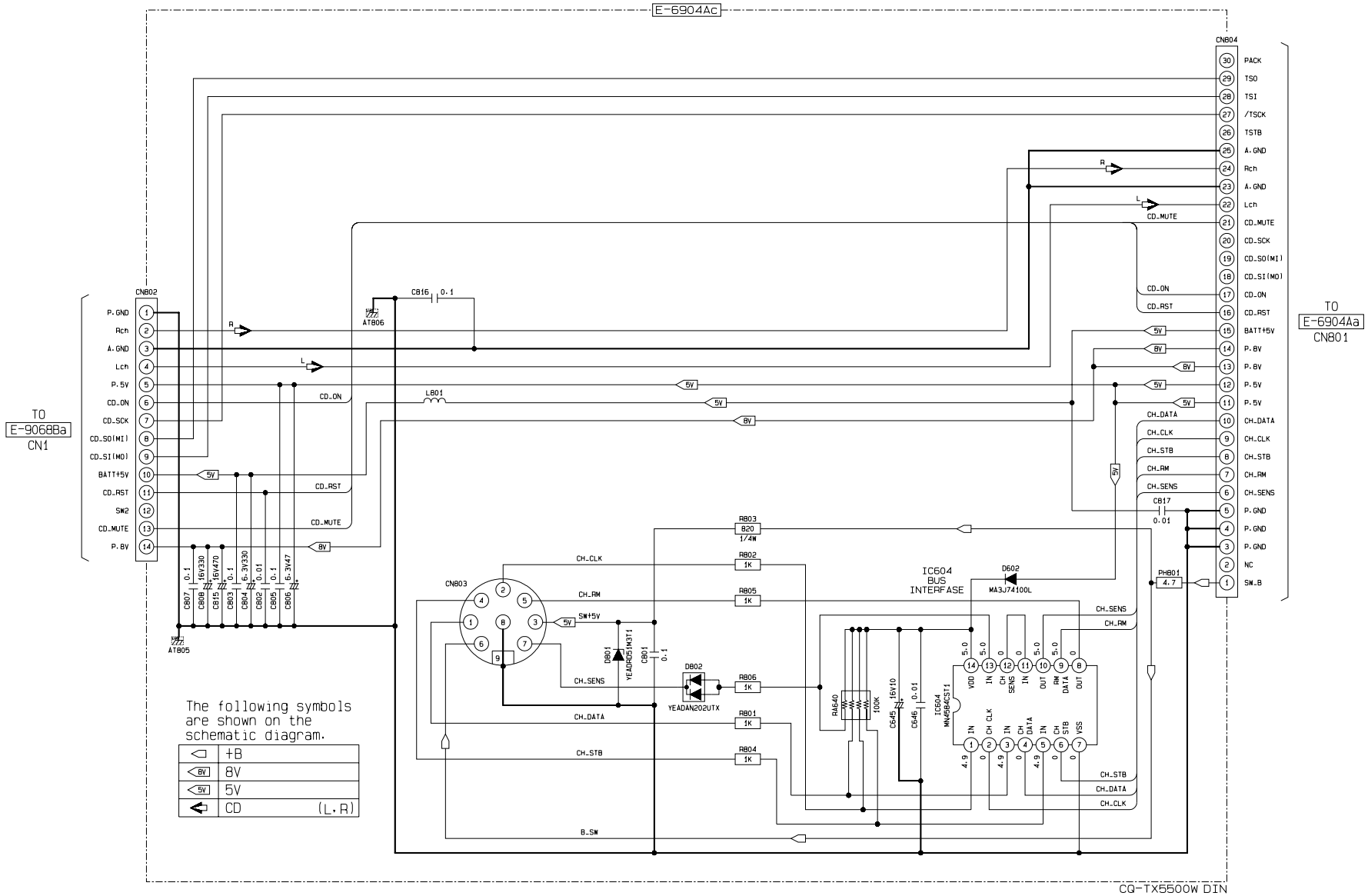
[E-6904Ae][Top View]


Vcc
11
Vre8
√COMP
MUT
√COMP
IN1
2
AMP
OUT
OUT
AMP
5
DET1
1
14
12
9
7
3
DET1
OUT1
MUT
OUT2
DET1
GND



The following symbols are shown on the schematic diagram.

100V	100V
9V	9V
7.5V	7.5V
6.3V	6.3V
	CD (L,R)


E-6904Ac
CN804
30 PACK
29 TSO
28 TSI
27 /TSCK
26 TSTB
25 A.GND
24 Rch
23 A.GND
22 Lch
21 CD_MUTE
20 CD_SCK
19 CD_SO(MI)
18 CD_SI(MO)
17 CD_ON
16 CD_RST
15 BATT+5V
14 P.8V
13 P.8V
12 P.5V
11 P.5V
10 CH_DATA
9 CH_CLK
8 CH_STB
7 CH_RM
6 CH_SENS
5 P.GND
4 P.GND
3 P.GND
2 NC
1 SW_B
TO E-6904Aa CN801
CN802
1 P.GND
2 Rch
3 A.GND
4 Lch
5 P.5V
6 CD_ON
7 CD_SCK
8 CD_SO(MI)
9 CD_SI(MO)
10 BATT+5V
11 CD_RST
12 SW2
13 CD_MUTE
14 P.8V
TO E-9068Ba CN1
C807 0.1
C808 16V330
C810 16V470
C803 0.1
C804 6.3V330
C802 0.01
C805 0.1
C806 6.3V47
AT805
AT806
C816 0.1
L801
CD_ON
CD_RST
CD_MUTE
R
L
5V
8V
CN803
SW+5V
D801 YEADR05(M3T1
C801 0.1
D802 YEADAN202UTX
CH_CLK
CH_RM
CH_SENS
CH_DATA
CH_STB
B_SW
R803 820 1/4W
R802 1K
R805 1K
R806 1K
R801 1K
R804 1K
IC604 BUS INTERFASE
D602 MA3J74100L
PH801 4.7
CB17 0.01
RA640 100K
C645 16V10
C646 0.01
IC604 MM1564ST11
VDD IN CH SENS IN CH DATA IN CH STB VSS
OUT RM DATA OUT
The following symbols are shown on the schematic diagram.
+B
8V
5V
CD (L,R)
CQ-TX5500W DIN